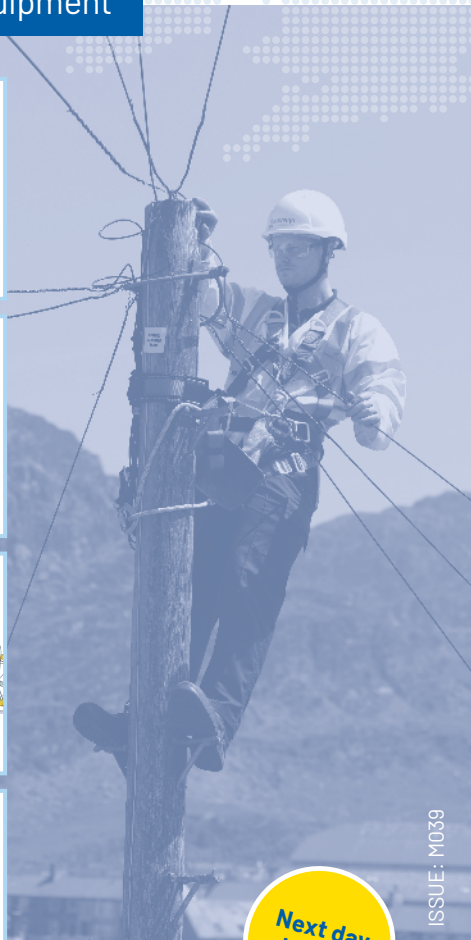
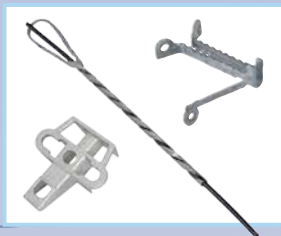


Physical Infrastructure Access (PIA) Equipment



**Next day
delivery**

ISSUE: M039

An unrivalled end-to-end network build solution for operators, communications providers and contractors

All the digital infrastructure products, tools and equipment you need for your GIGABIT BRITAIN network build!

Mills - Your end-to-end FTTx Network Build Partner

Mills provides the full range of fibre infrastructure products, tools and equipment needed to build end-to-end Gigabit-capable networks. Operating as both distributor and, in many cases, manufacturer, Mills makes the supply chain simple and efficient, supplying the Communication Provider (CP) with everything needed to build robust and resilient Gigabit-capable digital connectivity throughout the UK, in order to GET GIGABIT BRITAIN LIVE by 2025!

With its clear understanding of the product needs for building GIGABIT BRITAIN, including the specialist knowledge required to utilise Openreach's Duct and Poles in a compliant manner, make sure Mills is your partner of choice for FTTx products from the beginning to the end of your network build.

The UK Government's target to deliver nationwide Gigabit capable broadband by 2025, along with recent reforms regarding access to Openreach's Duct and Pole infrastructure, has greatly increased the uptake of Physical Infrastructure Access (PIA) by licensed CPs who are rolling out Gigabit-capable networks in both rural and urban areas in far quicker timescales and at lower cost than if building from scratch.

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Compliance

All Duct and Pole infrastructure products, associated tools and equipment supplied by Mills comply with Openreach engineering rules regarding PIA

Recent Mills Milestones

The First Hundred Years



In 2018 we achieved our centenary, marking 100 years of growth and success for this family business which has evolved, over four generations, from the supply of engineering tools to telecommunications equipment. Just put **Mills 100 Years** into YouTube to follow our story.

Our Move to Uxbridge



Our new premises on the banks of the Grand Union Canal in Uxbridge have provided us with 30,000 square feet of offices and warehousing, allowing us to bring the whole Mills operation together under one roof for the first time in many years.

The Prime Minister Comes Calling



Our local MP, the Rt Hon Boris Johnson, MP for Uxbridge and South Ruislip and The Prime Minister, did us the honour of officiating at the official opening of our new home. View this on YouTube too – just enter **Mills Prime Minister**.

Our New Website



Our new website makes it easier than ever to order online. Thanks to new Add to Cart by SKU and CSV functionality, improved search, new requisition lists functionality, new reorder functionality and improved site navigation, you really ought to check it out today!

How to order

Simply quote our part number, quantity required, your order number or reference and delivery address - it couldn't be easier.

Telephone: **020 8833 2626**

Website: **millsltd.com**

Email: **sales@millsltd.com**

FAX: **020 8833 2600**

Hours of business:

Monday to Thursday 8.00am - 6.00pm,
Friday 8.00am - 5.00pm

Delivery

Free Next Day UK Mainland Delivery*

England, Scotland (excludes Scottish Highlands), Wales: **FREE** next working day delivery on all in-stock orders over £100 (excl VAT). All orders under £100 to mainland UK addresses will incur a small order charge of £9.95 (excl VAT).

*Consignments over 30kg, cabinets and palletised deliveries will attract a competitive delivery price.

Next Day Pre 10.30am	£26.95
Next Day Pre Noon	£14.95
Saturday Pre Noon	£36.50
Northern Ireland	£29.95†
Eire	£44.95†

†minimum, dependent on weight and dimensions.

Northern Ireland, Eire, Channel Islands and Scottish Highlands 'next day' deliveries usually operate on a 3 working day service and will attract a competitive delivery price.

Contact Sales on **020 8833 2626** for details.

Prices given are in Pounds Sterling and may be subject to change

All prices are subject to VAT - Mills Standard Terms and Conditions apply (see page 71)

How to PAY

We are happy to accept payment by the following methods:

Credit Card

Please quote your card number, start and expiry dates and security digits together with your name, address and delivery address.



Account

Accounts may be opened within 4 hours, subject to status, following receipt of a completed account application form.

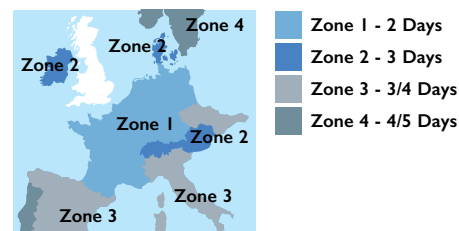
Please contact our Accounts Department direct on **020 8833 2622** for further details.

Mills M25 'Same Day' delivery

From a single parcel to a container-load delivered anywhere within the M25, just call **0208 833 2626** for an instant response to your last minute delivery requirements. (Subject to location - prices may vary).

Europe**

Mills deliver into Europe on a daily basis.



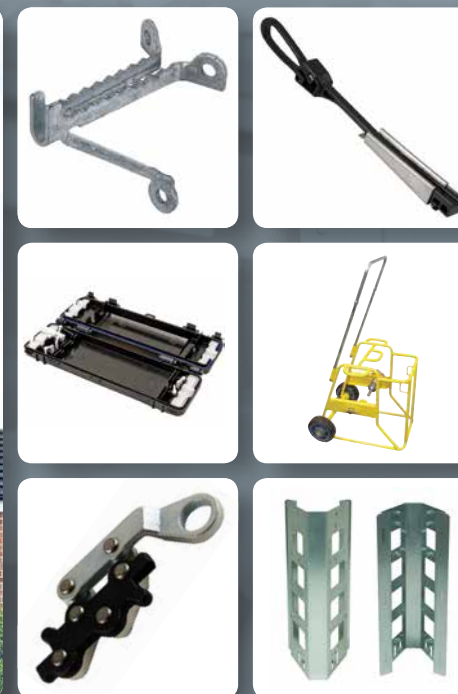
** Subject to zone - prices may vary.

Repairs and return of product

Any product being returned to Mills Ltd. for repair, calibration or exchange must be accompanied by documentation carrying a valid Mills Return Note Number. Please contact Customer Services on **020 8833 2644** for this information.

External Overhead & Underground

External Overhead



Physical Infrastructure Access (PIA)

Physical Infrastructure Access (PIA) enables licenced Communication Providers (CPs) to install sub duct or cable into Openreach's existing access duct infrastructure and to attach cables on Openreach's existing poles.

PIA enables CPs to build and expand their fibre networks in far quicker timescales and at lower costs than if building from scratch. All work must be done in compliance with Openreach's specified engineering rules and health and safety standards.

- Pole Furniture
- Chambers
- Overhead Fibre Cable
- Underground Fibre Cable
- Sub Duct
- Spine Duct
- Lead In Duct
- Blown Fibre Tubing
- Identification Labels



MILLS POLE HORSE

An essential aid for all pole installers, allowing poles of all dimensions to be supported while pole furniture is added or removed prior to or post installation. The Mills pole support benefits from flat feet plates and safety support chains. The horse pole can quickly be folded flat for ease of storage.

Ref: 126681.



PART NO.	DESCRIPTION	PRICE
S83-2653	HORSE POLE	76.75

MILLS PROBE POLE TESTER

A specialist tool to detect external decay on wooden poles. The tool has a 150mm hardened blade with a ring milled 30mm (1 1/4") from the end of the spike to easily and quickly indicate signs of rotting or decomposition of the pole.

For repetitive operation, the tool further benefits from a bi material handle. Overall length 250mm. Includes protective spike sheath.

Ref: 122540.



PART NO.	DESCRIPTION	PRICE
S13-0806	MILLS PROBE POLE TESTER	9.65

MILLS POLE TESTING AUGER BIT

A specialist auger bit used in conjunction with S83-0765 Brace Coach Screw for testing for the presence of internal decay in poles.

It has a solid screwed tip without flutes and is designed to part the timber fibres instead of removing material with a cutting action.

The tool diameter is 4.75mm (3/16") with an overall length of 178mm (7").

Ref: 112089.



PART NO.	DESCRIPTION	PRICE
S83-0572	MILLS POLE TESTING AUGER BIT	12.50

TWISTER POLE

Plate type pole twister, used to align poles after installation. Comprising a curved plate 300mm x 175mm with 2 barbs which presses into the wood, this plate is attached via a 6mm wire rope to a levering eye which is wrapped around the pole. A crow bar (Mills S83-3679 or S00-1226 not supplied) is then passed through the levering eye to allow the pole to be twisted into the desired position.

Ref: 127112.



PART NO.	DESCRIPTION	PRICE
S83-0768	TWISTER POLE	22.11

TWISTER POLE LEVER TYPE

Hand-operated lever-type pole twister for the alignment of poles after installation.

This lever-type pole twister has a forged handle with teeth at the front edge giving better grip to the pole.

The 130cm length with large forged hook allows the operator to use both hands giving extra leverage to twist stubborn poles. Overall length 130cm.



PART NO.	DESCRIPTION	PRICE
S83-2991	TWISTER POLE LEVER TYPE	64.95

MILLS POLE BOGIE

Pole Bogie for transporting wooden poles over rough terrain. Manufactured from high quality steel, with 400mm pneumatic wheels. The pole bogie has two 50mm fully adjustable webbing straps capable of handling poles with diameters of up to 200mm. The bogie can be supplied with a tow bar for quad bike or vehicle towing.

The pole bogie can be used in relatively confined spaces having an axle width of 720mm.

Ref: 122505.



PART NO.	DESCRIPTION	PRICE
S83-1813	MILLS POLE BOGIE	381.81

POLE SOCK

Safety sock used when transporting poles. Manufactured from heavy duty reinforced PVC canvas material with alternating red and white 85mm wide warning stripes. The bag is 110cm long x 60cm wide and will accept poles up to a diameter of 35cm. The sock has a webbed seamed top with 5mm draw strip and button toggle to secure it around the pole during transportation.



PART NO.	DESCRIPTION	PRICE
S83-0885	POLE SOCK	44.00

LADDER TIE

Used to lash Ladders Extension 5B and 7A when working on poles. An 8m x 6mm leath supplied with end stiffeners to allow pole ladders to be secured using the fourth rung to a pole, when the ladder is angled at a four up, one out ratio. The leath is supplied in a plastic wallet with full operating instructions.

Ref: 127688.



PART NO.	DESCRIPTION	PRICE
S83-0789	LADDER TIE	3.95

BT 5B ALUMINIUM AND 7B GRP 2.5M TRIPLE EXTENSION LADDER**Features**

- Comfortable 1.6m wall D.rung profile
- Available in aluminium weighing 18-5kg or non-conductive GRP (fibreglass) weighing 23.0kg
- Double safety catch
- Fitted with nylon rollers for easy operation with minimum effort
- Supplied with lashing rope & ferrule fittings
- Certified to BS 2037 Class I
- Closed height 2.5m - opened height 6m

S00-1481 Ref: 126403.
S00-9028 Ref: 128706.



PART NO.	DESCRIPTION	PRICE
S00-1481	A) BT 5B ALUMINIUM LADDER	249.95
S00-9028	B) BT 7B GRP LADDER	349.99

FOR HEIGHT SAFETY EQUIPMENT

SEE OUR WEBSITE
millsltd.com

**PRE-CLIMB CHECK LABEL FOR POLES**

White tear-proof label affixed to the pole, using Pin Steel No 2 (S83-0857) to mark pre-climb inspection check.

Size 125 x 25 mm - supplied in pkt 50.



PART NO.	DESCRIPTION	PRICE
S83-1755	PRE-CLIMB POLE INSPECTION CHECK LABEL - PK 50	15.45

POLE DIGGING TOOLS

SEE OUR WEBSITE
millsltd.com

**A) POLE JACK**

A hand operated jack with a rack & panel mechanism. Closed height 3ft operating range 22". To be used for shifting, recovering and straightening poles. Capacity: 5000kg. Note: carriage applies.

B) BAR OPERATING (LARGE)

For use with Pole Jack.
Ref: 110402.



PART NO.	DESCRIPTION	PRICE
S83-2677	A) POLE JACK	1611.87
S83-2990	B) OPERATING BAR	POA

ROD TELESCOPIC

This 7 metre non conductive telescopic fibre glass rod is an essential product to enable installers and other personnel involved in overhead work to gauge the clearance height of dropwire at road crossings.

BT regulations state the minimum installation height of a dropwire must be at least 5.5 metres and further, that poles must not be accessed by ladder should a connecting dropwire be found to be below a height of 5.2 metres.

Ref: 008874.



PART NO.	DESCRIPTION	PRICE
S83-0723	ROD TELESCOPIC	43.33

SUPARULE CABLE HEIGHT METER

The Suparule is a handheld Cable Height Meter instrument for measuring cable height distance, sag and overhead clearance. It is the present day alternative to measuring poles. The Suparule uses ultrasonic signals to identify the height of overhead cables up to 50 feet / 15 metres. Ideal for operators in the utilities industry such as telecommunications and electricity.

The Suparule works by emitting short bursts of sound, allowing the microprocessor to calculate the elapsed time for these sounds to be reflected from the cable back to the instrument. Results can then be displayed in either metric or imperial units.

Range:

- 25mm Cable 3-15m
- 12mm Cable 3-15m
- 5.5mm Cable 3-12m
- 2.5mm Cable 3-10m

Features:

- 0.5kg Weight
- Compact Size
- Auto Power Off
- 50,000 Measurement Battery Life
- 0.5% ± 2 Digits Accuracy
- Single Wire Measurement



PART NO.	DESCRIPTION	PRICE
S83-2993	SUPARULE HEIGHT METER CHM190	423.00

CHAIN JACK POLE

High tensile link chain for use with Jack Pole.

Ref: 112555.



PART NO.	DESCRIPTION	PRICE
S83-0736	CHAIN JACK POLE	99.50

CHAIN PULLER 3 TON

Used to raise and lower loads. It has a safety brake which enables the operator to sustain the load in all positions. Used for tensioning cables.

SWL: 3048kg.
Max Lift: 1.9m.



PART NO.	DESCRIPTION	PRICE
S83-0932	CHAIN PULLER 3 TON	39.95

DP POLE LETTERS AND NUMBERS

A selection of popular letters and numbers for pole identification. Black lettering or numbering on a 40mm plastic disc with two pre-drilled holes. The discs can be affixed to the pole using Pin Steel No 2 (S83-0857).

Packs of 100.



PART NO.	REF	DESCRIPTION	PRICE
S83-2810	000463	LETTER POLE PLASTIC A (PKT 100)	39.95
S83-2811	000464	LETTER POLE PLASTIC B (PKT 100)	39.95
S83-2812	000465	LETTER POLE PLASTIC C (PKT 100)	39.95
S83-2813	000466	LETTER POLE PLASTIC D (PKT 100)	39.95
S83-2814	000467	LETTER POLE PLASTIC E (PKT 100)	39.95
S83-2815	000468	LETTER POLE PLASTIC J (PKT 100)	39.95
S83-2816	000469	LETTER POLE PLASTIC L (PKT 100)	39.95
S83-2817	000470	LETTER POLE PLASTIC M (PKT 100)	39.95
S83-1810	025777	LETTER POLE PLASTIC N (PKT 100)	39.95
S83-1089	000479	LETTER POLE PLASTIC P (PKT 100)	39.95
S83-2818	000460	LETTER POLE PLASTIC S (PKT 100)	39.95
S83-2819	000462	LETTER POLE PLASTIC T (PKT 100)	39.95
S83-1811	025778	LETTER POLE PLASTIC W (PKT 100)	39.95
S83-2999	000470	NUMBER POLE PLASTIC 0 (PKT 100)	39.95
S83-2824	000471	NUMBER POLE PLASTIC 1 (PKT 100)	39.95
S83-2825	000472	NUMBER POLE PLASTIC 2 (PKT 100)	39.95
S83-2826	000473	NUMBER POLE PLASTIC 3 (PKT 100)	39.95
S83-2827	000474	NUMBER POLE PLASTIC 4 (PKT 100)	39.95
S83-2828	000475	NUMBER POLE PLASTIC 5 (PKT 100)	39.95
S83-2829	000476	NUMBER POLE PLASTIC 6 (PKT 100)	39.95
S83-2830	000477	NUMBER POLE PLASTIC 7 (PKT 100)	39.95
S83-2831	000478	NUMBER POLE PLASTIC 8 (PKT 100)	39.95
S83-2832	000479	NUMBER POLE PLASTIC 9 (PKT 100)	39.95

**CAUTION
OVERHEAD FIBRE
LABEL PACK OF 10**

FDC Identification label stating CAUTION OVERHEAD FIBRE should be fixed to wooden poles above the Pole Test Label or at eye level.
Attached to the pole using S83-0857 Pins Steel No.2 7/8 inch (not included).
Size: 70 x 70 mm.
Ref: 046116



PART NO.	DESCRIPTION	PRICE
S83-0634	CAUTION OVERHEAD FIBRE LABEL PACK OF 10	9.95

**DEFECTIVE
POLE LABEL**

The Mills A1024 label is used to identify and record defective poles. Four holes allow the label to be easily affixed to the pole using Pin Steel No 2.
Supplied in packs of 10.
Ref: 005381.



PART NO.	DESCRIPTION	PRICE
C00-1787	DEFECTIVE POLE LABEL A1024 PACK OF 10	12.36

TENSIONER 3A

Lorry lashing, short end with ratchet and twisted snap hook connector. Manufactured from 50mm wide polyester orange webbing with a MBL of 5000kg when used as a two part assembly. Used with strap tensioner 1A (S83-0920) and straps tensioning 2A (S83-0862)



PART NO.	DESCRIPTION	PRICE
S83-0921	TENSIONER 3A	47.06

SLING WIRE ROPE 1A

Galvanised steel wire rope lifting sling, with reeving thimbles to each end, 1.5m length x 1500kg SWL, each supplied marked with unique serial number and SVWL, complete with Report of Thorough Examination Certificate.

Ref: 112555.



PART NO.	DESCRIPTION	PRICE
S83-0879	SLING WIRE ROPE 1A	27.00

STRAP TEMPORARY HOLD NO. 1

Used with Hook Temporary Hold No.1
Supplied with a ratchet buckle.
1 metre strap (700m working length).
Minimum breaking load: 1000kg.



PART NO.	DESCRIPTION	PRICE
S83-0963	STRAP TEMPORARY HOLD NO.1	5.96

HOOK TEMPORARY HOLD NO. 2

Used as a temporary cable support whilst erecting and tensioning aerial cables, supplied complete with strap.



PART NO.	DESCRIPTION	PRICE
S83-0737	HOOK TEMPORARY HOLD NO.2	45.89

STRAP TENSIONING 1A

45mm webbing strap, 3m long terminated with a 90 degree twist snap hook, used with Tensioner 3A for securing poles on pole erection units.
Ref: 126760.



PART NO.	DESCRIPTION	PRICE
S83-0920	STRAP TENSIONING 1A	30.21

STRAP TENSIONING 2A

45mm webbing strap, 3m long terminated with a D buckle. Used with Tensioner 3A for securing poles on pole erection units.
Ref: 126761.



PART NO.	DESCRIPTION	PRICE
S83-0862	STRAP TENSIONING 2A	11.68

DUPLEX WEBB SLING 1M X 1T - SLING 4A

Duplex flat webbing sling, 1 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126742.



PART NO.	DESCRIPTION	PRICE
S83-0863	DUPLEX WEBB SLING 1M X 1T - SLING 4A	8.88

DUPLEX WEBB SLING 2M X 1T - SLING 5A

Duplex flat webbing sling, 2 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126743.



PART NO.	DESCRIPTION	PRICE
S83-0864	DUPLEX WEBB SLING 2M X 1T - SLING 5A	10.67

DUPLEX WEBB SLING 3M X 1T - SLING 6A

Duplex flat webbing sling, 3 metre length x 1000kg (purple), with soft eye each end. Double thickness 60mm wide polyester webbing, manufactured to conform to BS 3481 Part 2. Each sling is labelled with a unique serial number.

Ref: 126744.



PART NO.	DESCRIPTION	PRICE
S83-0918	DUPLEX WEBB SLING 3M X 1T - SLING 6A	12.88

ROUND SLING 3M X 1000KG URLT/012123 - SLING 10A

Round sling, 3000kg (yellow). Manufactured from polyester and conforming to BS 6668, each sling is individually labelled with a unique serial number, date of manufacture, length and VVLL.

Ref: 126774.



PART NO.	DESCRIPTION	PRICE
S83-0919	ROUND SLING 3M X 1000KG URLT/012123 - SLING 10A	10.26

LINE SASH 2

Line Sash No 2.
Polypropylene rope 4mm used when installing Dropwire. Useful when laid across roads due to its 'dead' property. Supplied on a 132m reel.

BT spec: MA 294.
Construction: 8 plait.
Nominal Diameter: 4mm.
MBL: 1kN.
Material: Polypropylene.

Ref: 127429.



PART NO.	DESCRIPTION	PRICE
S83-0787	LINE SASH 2	31.34

LINE SASH 15

Line Sash No 15.
Polypropylene rope 8mm diameter, supplied on a hank of 50m.

BT spec: MA 294
Construction: 8 plait
Nominal Diameter: 8mm
MBL: 8.5kN
Material: Polypropylene

Ref: 127430.



PART NO.	DESCRIPTION	PRICE
S83-0788	LINE SASH 15	42.96

**CABLING ROPES
SEE PAGE 41**



DISPENSER SASH LINE

Sash line dispenser used with Dispenser Dropwire to aid dispensing of Sash Line.
Ref: 126356.



PART NO.	DESCRIPTION	PRICE
S83-0782	DISPENSER SASH LINE	14.95

STEP POLE NO.1

Pole step for use on wooden poles only.

Ref: 015550.



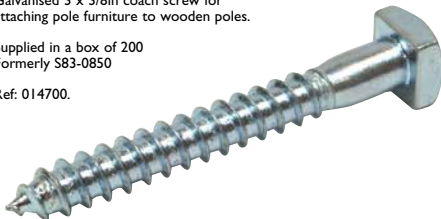
PART NO.	DESCRIPTION	PRICE
S83-2996	STEP POLE NO.1	2.58

SCREW COACH 3" (PK 200)

Galvanised 3 x 3/8in coach screw for attaching pole furniture to wooden poles.

Supplied in a box of 200
Formerly S83-0850

Ref: 014700.



PART NO.	DESCRIPTION	PRICE
S83-0654	SCREW COACH 3" (PK 200)	35.99

BRACE COACH SCREW

Hand held brace, used to attach and remove coach screws from poles.

Ref: 112089.



PART NO.	DESCRIPTION	PRICE
S83-0765	BRACE COACH SCREW	27.87

SOCKET AND ADAPTORS COACH SCREW

An impact grade 5/8 AF Socket with 1/2" drive for tightening and loosening coach screws (S83-0642) when used with a power tool and in conjunction with either the 1/4" (G70-1769) or SDS (G70-1770) adaptors.

A) 5/8 Inch Square Socket for Coach Screws 1/2 Inch Drive
5/8" square socket used to attach and remove coach screws from poles.

B) 1/4 Inch Hex to 1/2 Inch Square Drive Adaptor
Fits 1/2-inch square drive sockets and is suitable for drills with standard 3 jaw chucks.

C) SDS Plus to 1/2 Inch Square Drive Socket Adaptor
Fits 1/2-inch square drive sockets and is suitable for rotary hammers with SDS plus shank systems.

RING POLEHEAD STAND-OFF 1A

A bolt on galvanised steel pole step with a welded 100mm diameter ring.

Used to attach a maximum of five dropwires on Joint user poles when a Stand off 1A dropwire needs to be terminated.

The stand off enables DNO staff to safely climb past BT / Openreach plant.

Ref: 016288.



PART NO.	DESCRIPTION	PRICE
S83-2842	RING POLEHEAD STAND-OFF 1A	4.79

RING POLEHEAD DROPWIRE

Galvanised 240mm steel ring with 16mm diameter bolt for distribution of cables from the top poles. For use with Cable Dropwire, acts as a support for Clamps Dropwire.

Ref: 021240.



PART NO.	DESCRIPTION	PRICE
S83-2841	RING POLEHEAD	7.49

HALO RING

A replacement larger pole ring to be used mainly on congested poles as an alternative to the standard S83-2841 pole ring.

This larger type 15 crown ring is used for network rearrangements and the addition of new fibre enclosures when there are capacity issues with the upper pole envelope.
Diameter: 501mm.



PART NO.	DESCRIPTION	PRICE
S83-1707	HALO RING	14.95



PART NO.	DESCRIPTION	PRICE
G70-1768	A) 5/8 INCH SQUARE SOCKET FOR COACH SCREWS 1/2 INCH DRIVE	11.63
G70-1769	B) 1/4 INCH HEX TO 1/2 INCH SQUARE DRIVE ADAPTOR	9.95
G70-1770	C) SDS PLUS TO 1/2 INCH SQUARE DRIVE SOCKET ADAPTOR	18.67

WASHERS GALVANISED 16,17,18

A) Washer Galvanised 16

Galvanised steel tubular washer 65mm long and 27mm in diameter for use with Bolts Hex Head to secure Universal Pole Brackets or UPBs to poles where the bolt is too long. Box of 50. Ref: 016161.

B) Washer Galvanised 17

Galvanised steel tubular washer for use with Bolts Hex Head to secure UPBs to poles where the bolt is too long. Dimensions: 20mm long and 27mm diameter. Box of 200. Ref: 016162.

C) Washer Galvanised 18

Galvanised steel tubular washer 40mm long and 27mm diameter for use with Bolts Hex Head to secure UPB's to poles where the bolt is too long. Box of 200. Ref: 016163.

PART NO.	DESCRIPTION	PRICE
S83-1766	A) WASHER GALVANISED 16 - BOX OF 50	34.99
S83-2865	B) WASHER GALVANISED 17 - BOX OF 200	65.99
S83-2866	C) WASHER GALVANISED 18 - BOX OF 200	99.99



WASHER GALVANISED 4

50mm diameter x 3mm thick with an 18mm hole and used on Bolt Arm.

Supplied in a box of 100.

Ref: 016152.



PART NO.	DESCRIPTION	PRICE
S83-2868	WASHER GALVANISED 4 (BOX OF 100)	24.99

WASHER GALVANISED 19

Galvanised steel flat washer 20mm in diameter with a 7mm hole in the centre. 1.6mm in thickness

Used with Nail Bonding and Strip Aluminium to secure cables wooden to poles.

Supplied in a 3kg box containing approximately 770 washers.

Ref: 073202.



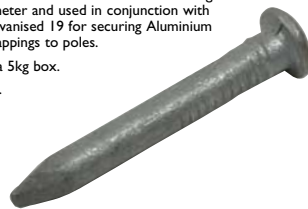
PART NO.	DESCRIPTION	PRICE
S83-3163	WASHER GALVANISED 19 (3KG)	18.99

NAIL BONDING

Galvanised steel round headed nail 45mm long x 5mm diameter and used in conjunction with Washer Galvanised 19 for securing Aluminium Strip and Cappings to poles.

Supplied in a 5kg box.

Ref: 072034.



PART NO.	DESCRIPTION	PRICE
S83-2672	NAIL BONDING	17.58

PLUG CREOSOTED

Plugs Creosoted - A packet of 100 creosoted plugs 10mm x 50mm (3/8" x 2"). These products are used to plug old fixing holes or test holes created following testing using a Mattson borer. To prevent decay to the pole the specification LN435 states "All holes from cores taken for testing must be plugged with creosote treated plugs, which are an interference fit into any holes made."

Ref: 016266.



PART NO.	DESCRIPTION	PRICE
S83-0944	PLUG CREOSOTED	29.95

PIN STEEL NO.2 PK100

Hardened steel pin with captive washer for attaching labels to poles including pre-climb test labels, Caution Overhead Fibre and Pole Plastic Letters & Numbers. Overall length 30mm (1 1/8"). Supplied in box of 100.

Ref: 070864.



PART NO.	DESCRIPTION	PRICE
S83-0857	PIN STEEL NO.2 PK100	6.95

STRIPS ALUMINIUM

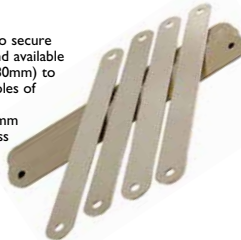
16mm wide aluminium strips used to secure cables running vertically on poles and available in 3 lengths (80mm, 120mm and 180mm) to accommodate most sizes and multiples of cables. Regulations specify cables must be fixed at a minimum of 450mm intervals and must not impede access to the climbing steps.

Supplied in pack of 25.

S83-0902 Ref: 015708.

S83-0856 Ref: 076077.

S83-0903 Ref: 076078.



PART NO.	DESCRIPTION	PRICE
S83-0902	80MM STRIP ALUMINIUM (PK25)	4.38
S83-0856	120MM STRIP ALUMINIUM (PK25)	4.98
S83-0903	160MM STRIP ALUMINIUM (PK25)	4.06

A) UNIVERSAL POLE BRACKET UPB

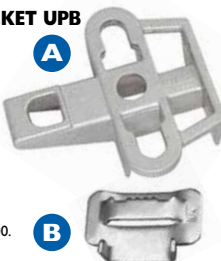
The UPB bracket is manufactured from aluminium alloy with correspondingly high mechanical strength. Its unique patented design has been developed as a universal fitting covering all installation situations on wooden, metal or concrete poles.

Ref: 016988.

B) MOUNTING BUCKLE

Mounting Buckle for use with the Telenco Banding Tool. Supplied in PK100.

Ref: 013603.

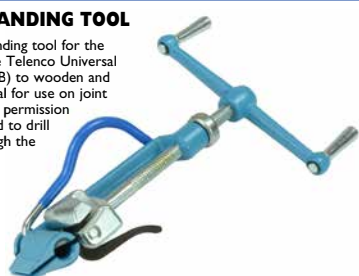


PART NO.	DESCRIPTION	PRICE
S83-1540	A) UNIVERSAL POLE BRACKET UPB	3.67
S83-3246	B) MOUNTING BUCKLE (PK100)	15.83

TELENCO BANDING TOOL

Stainless steel banding tool for the attachment of the Telenco Universal Pole Bracket (UPB) to wooden and hollow poles. Ideal for use on joint user poles where permission cannot be granted to drill a bolt hole through the pole to attach cable fixings.

Ref: 013608.



PART NO.	DESCRIPTION	PRICE
S83-3242	TELENCO BANDING TOOL	73.18

RATCHET POLE BANDING TOOL

Ratchet stainless steel banding tool for the attachment of the Telenco Universal Pole Bracket (UPB) to wooden and hollow poles.

Ideal for use on joint user poles where permission cannot be granted to drill a bolt hole through the pole to attach cable fixings.



PART NO.	DESCRIPTION	PRICE
S83-1699	RATCHET POLE BANDING TOOL	86.53

HOOK AERIAL CABLE 1A

Used on wooden poles to support suspension and aerial cable relief clamps.

Ref: 016990.



PART NO.	DESCRIPTION	PRICE
S83-1681	HOOK AERIAL CABLE 1A	2.65

BANDING STAINLESS STEEL 20MM X 50M

Stainless steel strip banding 20mm x 0.7mm x 50 metres contained in a plastic "Easy carry container".

For attaching S83-1540 Universal Pole Bracket or UPB, S00-7197 External Fibre Locking Mechanism or ELM and S00-1601 Malico L Coiling Bracket to BT Hollow & Joint User wood & steel poles.

Ref: 013610.



PART NO.	DESCRIPTION	PRICE
S83-1542	BANDING STAINLESS STEEL 20MM X 50M	29.66
S83-1543	PROTECTION SLEEVE FOR BANDING SS 20MM X 10M	7.75

BOLT HEX HEAD

A galvanised steel hexagonal headed bolt, available in 300mm (S83-1538) and 350mm (S83-1539) lengths supplied fitted with two galvanised steel washers and one nut.

For attaching Universal Pole Bracket or UPB, Hook Aerial Cable 1 and 1A to wooden poles.

S83-1538 Ref: 016977.

S83-1539 Ref: 016978.



PART NO.	DESCRIPTION	PRICE
S83-1538	BOLT HEX HEAD 16MM X 300MM	3.08
S83-1539	BOLT HEX HEAD 16MM X 350MM	3.81

HOOK AERIAL CABLE

Hook Aerial Cable 1 or J Hook is a "D" section steel bar coated with nylon and formed into a "J" shape. Used to support an Aerial Cable on Joint User Poles.

Ref: 016240.



PART NO.	DESCRIPTION	PRICE
S83-3245	HOOK AERIAL CABLE	3.08

EARTHING & BONDING CLAMP (EC13)

Used to attach an earthing wire to the catenary wire of a figure of 8 Aerial Cable. The body is made of two pieces of non-corrosive zinc alloy with two formed cutaways.

It can be installed on all insulated and non-insulated wires from 3mm to 13mm.

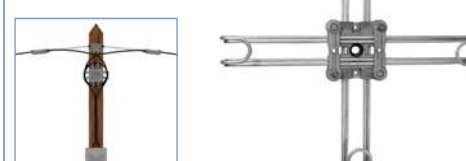
Ref: 016979.



PART NO.	DESCRIPTION	PRICE
S83-1682	EARTHING & BONDING CLAMP (EC13)	1.77

MALICOIL L FIBRE COILING BRACKET

Manages the coiling of aerial fibre optic cables. Coiling Diameter: Min 550mm / Max 960mm. Ref: 100846.



PART NO.	DESCRIPTION	PRICE
S00-1601	MALICOIL L FIBRE COILING BRACKET	39.95

BRACKET 22

A dropwire fixing consisting of a galvanised steel triangular bracket with three fixing holes and a welded loop.

Designed to attach a dropwire clamp at end users premises or on a multi pole route where no pole ring exists.

Suitable for use with 36f ULVVC, BIRLA, CDC, HFCL and Dropwire 10A.

Ref: 011114.



PART NO.	DESCRIPTION	PRICE
S83-2723	BRACKET 22	0.69

BRACKET 32

A dropwire fixing consisting of a galvanised steel "J" shaped Bracket with a welded loop and a plate with four holes at the other end. Designed to attach a dropwire clamp to timber or brickwork at end users' premises where additional height clearance is required e.g. a Bungalow.

Ref: 016264.



PART NO.	DESCRIPTION	PRICE
S83-2724	BRACKET 32	3.49

BRACKET 44

A dropwire fixing consisting of a galvanised steel "L" shaped Bracket with a welded loop at one end and a plate with two holes at the other end.

Designed to attach a dropwire clamp to brickwork at end users premises where further additional height clearances is required.

On brickwork (without rendering or cladding) this Bracket is designed to be secured with 2 x Bolt Expanding 2A.

Maximum span length is 68 metres.

Dimensions: 420 x 210 mm (Wall Plate: 150 x 100 mm).

Ref: 009561.



PART NO.	DESCRIPTION	PRICE
S83-1060	BRACKET 44	6.75

BARREL CLAMPS

A) S83-1880 Ref: 016980.

Automatic stay wire wedge clamp for operating stay wire installations. For diameters: 6.1 - 6.6mm.

B) For the simple and fast dead-ending of figure-8 cables with steel messengers, comprising a conical body, a pair of wedges, a lanyard and a stainless steel bail.

S83-1881 Ref: 016973.

S83-1882 Ref: 016974.



PART NO.	DESCRIPTION	PRICE
S83-1880	A) BARREL CLAMP TERMINATING STAY WIRE SWC63	9.99
S83-1881	B) BARREL CLAMP SINGLE STRAND BARE WIRE 2.5MM BWC25	6.09
S83-1882	B) BARREL CLAMP MULTI STRAND BARE WIRE 4.7MM BWC47	8.55

WALL PLATE 4

Galvanised steel flat bar 40cm long x 51mm wide x 9.52mm thick with a welded loop at one end and 4 fixing holes. Fitted with a galvanised steel thimble. Use with Bolt Expansion 2a. Uses include attaching Heavyweight Aerial Cable to brick buildings.

The Plate Wall 4 is attached to brick using Bolts Expanding 2A.

Ref: 013751.



PART NO.	DESCRIPTION	PRICE
S83-1756	WALL PLATE 4	5.95

WALL PLATE 5A WITH THIMBLE

Galvanised steel wall plate for attachment of lightweight cables and wires.

Dimensions: 150mm x 100mm

Ref: 018388.



PART NO.	DESCRIPTION	PRICE
S83-9215	WALL PLATE 5A WITH THIMBLE 150MM X 100MM	5.95

BRACKET 51

On brickwork (without rendering or cladding) this Bracket is designed to be secured with 2 x Bolt Expanding 2A

The Bracket 51 is attached to the wall by the same drilling method as the Bracket 44 but, as this bracket stands out further from the wall and is considerably taller.

Dimensions: 600 x 350 mm (Wall Plate: 150 x 100 mm).

Maximum span length is 68 metres.

Ref: 060795.



PART NO.	DESCRIPTION	PRICE
S83-1064	BRACKET 51	14.08

A) CLAMP AERIAL CABLE 2

Used to support Cable Aerial Self Supporting Combined 10/0.5, 20/0.5, 5/0.6 and 10/0.6 at through pole positions on hollow poles. Ref: 073194.



B) CLAMP AERIAL CABLE 4 (BLUE)

Used to support Cable Aerial Self Supporting Combined 50/0.5, 10/0.63, 28/0.63 and 14/0.9 at through pole positions on hollow poles. Ref: 073196.

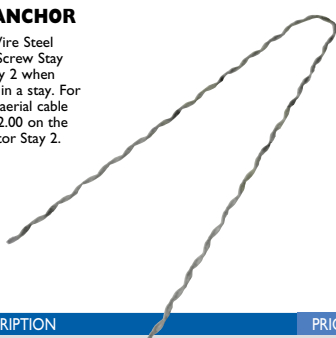


PART NO.	DESCRIPTION	PRICE
S83-2744	CLAMP AERIAL CABLE 2	11.82
S83-2745	CLAMP AERIAL CABLE 4 (BLUE)	27.03

GRIP STAY ANCHOR

For termination Wire Steel 7/2.00 to Anchor Screw Stay or to Insulator Stay 2 when these are inserted in a stay. For terminating lashed aerial cable using wire steel 7/2.00 on the span side of Insulator Stay 2.

Ref: 016229.



PART NO.	DESCRIPTION	PRICE
S83-2783	GRIP STAY ANCHOR	6.34

GRIP WIRE SUSPENSION

A) Grip Wire Suspension No.1

Used to terminate Cable PET or PETAL Aerial incorporating single strand suspension wire, except at power crossing. Ref: 016444.



B) Grip Wire Suspension No.2

For terminating all sizes of Cable PET and Aerial Cable except those that incorporate Single Strand Suspension Wire. Ref: 016227.



C) Grip Wire Suspension No.3

For terminating Cable PET and Aerial Cable that incorporate single strand suspension wire on the span side of Insulator Stay 2 at power crossing. Ref: 016231.



D) Grip Wire Suspension No.4

For terminating all sizes of Cable PET and Aerial Cable except those with Single Suspension Wire, on the span side of Insulator Stay 2 at power crossings. Ref: 016232.



All are supplied in packs of 10.

PART NO.	DESCRIPTION	PRICE
S83-2785	A) GRIP WIRE SUSPENSION NO.1 (PK 10)	28.86
S83-2786	B) GRIP WIRE SUSPENSION NO.2 (PK 10)	5.20
S83-2787	C) GRIP WIRE SUSPENSION NO.3 (PK 10)	2.52
S83-2788	D) GRIP WIRE SUSPENSION NO.4 (PK 10)	7.41

A) CLAMP DROPWIRE 10A

Clamp used when installing Cable Dropwire Ref: 073194.



B) CLAMP DROPWIRE 6

Dropwire clamp with extended relieved end and nylon protective coating, used to anchor cable dropwire in hollow poles. Ref: 016309.



PART NO.	DESCRIPTION	PRICE
S83-2746	A) CLAMP DROPWIRE 10A	1.00
S83-2747	B) CLAMP DROPWIRE 6	2.00

A) GRIP INSULATOR POLE

Multi stranded "U" shaped clamp formed by laying 6 galvanised high tensile steel wires, each 2.00mm diameter in a spiral wrap formation, with an internal coating of aluminium oxide. Supplied with 2 "O" clips 9-11 mm diameter and used for attaching an Insulator Stay 2 to the suspension wire of the cable. Approximate length 430mm. Ref: 016234.



B) GRIP STAY POLE

For terminating Wire Steel 7/2.00 at the pole heads end. For terminating lashed Aerial Cable where wire steel 7/2.00 is used. Ref: 016228.



PART NO.	DESCRIPTION	PRICE
S83-2782	GRIP INSULATOR POLE	7.34
S83-2784	GRIP STAY POLE	5.11

CABLE ABRASION PROTECTOR

Reduces abrasion of aerial cables when in contact with poles and hardware fittings, with anchor clamp bail wire and tree branches.

S83-1670 Ref: 048987.
S83-1672 Ref: 048988.
S83-1673 Ref: 048989.



PART NO.	DESCRIPTION	PRICE
S83-1670	CABLE ABRASION PROTECTOR NO.1 - 6MM X 1M (PK 20)	65.56
S83-1671	CABLE ABRASION PROTECTOR NO.2 - 16MM X 1M (PK 10)	52.80
S83-1672	CABLE ABRASION PROTECTOR NO.3 - 25MM X 1M (PK 20)	67.16
S83-1673	CABLE ABRASION PROTECTOR NO.4 - 33MM X 1M (PK 20)	83.60
S83-1674	CABLE ABRASION PROTECTOR NO.5 - 40MM X 1M (PK 10)	92.40

INSULATOR STAY 2

Made of Vitreous Porcelain and used for insulating pole stays in the proximity of power lines.

Colour: Brown.
Size: 114mm long x 75mm wide.
Ref: 012501.



PART NO.	DESCRIPTION
S83-2997	INSULATOR STAY 2

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HYPOCLAMP
SLIPPERY FISH
AERIAL CABLE
CLAMP / GRIP

The new Hypoclamp F is approved for PIA installations and has been designed for quick toolless installation of Slippery Fish SST COF250 Self Rodding Dropwire Cable for spans up to 70 metres. Ref: 095296.



PART NO.	DESCRIPTION	PRICE
S83-0672	HYPOCLAMP SLIPPERY FISH AERIAL CABLE CLAMP / GRIP	2.40

A) SC711C 7 TO 11MM SUSPENSION CLAMP

Suspension Clamps -Enables the suspension of optical or coax figure-8 cables with steel or dielectric (FRP) messengers. Available to suit cables 7-11mm (S83-1675) and 3-7mm cables (S83-1706).



B) ARC 6 TO 9MM AERIAL CABLE RELIEF CLAMP

The ARC device enables the suspension of figure-8 cables in Hook Aerial Cable 1 and 1A to prevent the wearing of the cable sheath on the galvanised steel hook. For cables with catenary wires diameters 6 to 9 mm. Ref: 016971.



PART NO.	DESCRIPTION	PRICE
S83-1675	A) SC711C 7 TO 11MM SUSPENSION CLAMP	4.05
S83-1706	B) SC37C 3 TO 7MM SUSPENSION CLAMP	4.05
S83-1677	B) ARC 6 TO 9MM AERIAL CABLE RELIEF CLAMP	3.66

ANCHORING CLAMPS FOR
FRP/GRP FIGURE 8 CABLE

These anchoring clamps are designed for FRP/GRP Figure 8 Cable.

Designed with an opening conical body, two plastic wedges and a flexible 500mm bail, these anchor clamps offer a tensile strength of 750daN.

This thermoplastic body model, engineered to be mounted on distribution networks with spans up to 90m, enables the dead-ending of FTTH figure-8 drops. Available to suit 6-8mm and 8-10mm figure 8 cable.



PART NO.	DESCRIPTION	PRICE
S83-1678	A) 8 TO 10MM ANCHORING CLAMP	9.62
S83-1680	B) 6 TO 8MM ANCHORING CLAMP	4.25

CABLE DEAD END FOR COPPER
PAIRS FIG. 8 CABLES

The jaw pierces the messenger outer sheath, when the clamp is installed, piercing the outer sheath to grip the steel rope.

Used for Full Termination of heavy weight Aerial Cable with 7 strands of 1.63mm. Available to suit 3-6mm and 5-8mm figure 8 cable.

S83-3244 Ref: 016862.
S83-3243 Ref: 016970.



PART NO.	DESCRIPTION	PRICE
S83-3244	CABLE LIGHTWEIGHT 3-6MM AC 7-200	8.06
S83-3243	CABLE HEAVYWEIGHT 5-8MM AC 10-320	8.80

A) FIBRE CABLE CLAMP / GRIP
36 ULW AND 48 ULW PURPLE
FLASH PK10

A galvanised spiral aerial grip or Helical Dead End (6.80-7.20mm) approved for PIA application and designed for quick toolless installation of 36f Ultra-LightWeight (ULW) and BIRLA 7mm Overhead Dropwire Cable. Overall length of 560mm (Purple Colour Tag). Supplied in packs of 10. Ref: 85656.



B) FIBRE CABLE CLAMP / GRIP
36 ULW AND 48 ULW YELLOW
FLASH PK10

A galvanised spiral aerial grip or Helical Dead End (6.80-7.20mm) approved for PIA application and designed for quick toolless installation of overhead hybrid dropwire cable. Overall length of 560mm (Yellow Colour Tag). Supplied in packs of 10. Ref: 104340.



C) FIBRE CABLE CLAMP / GRIP
OH FIBRE DROPWIRE PK10

A galvanised spiral aerial grip or Helical Dead End (5.80-6.20mm) approved for PIA application and designed for quick toolless installation of fibre dropwire cable. For spans up to 70 metres. Supplied in packs of 10. Ref: 090060.



PART NO.	DESCRIPTION	PRICE
S83-0673	A) FIBRE CABLE CLAMP / GRIP 36 ULW AND 48 ULW PURPLE FLASH	49.95
S83-1804	B) FIBRE CABLE CLAMP / GRIP 36 ULW AND 48 ULW YELLOW FLASH	49.95
S83-1807	C) FIBRE CABLE CLAMP / GRIP OH FIBRE DROPWIRE PK10	49.00

ANCHORING CLAMPS FOR
DEAD-ENDING OF FTTH
AERIAL ROUND CABLES

These anchoring clamps are designed for the dead-ending of FTTH aerial round cables from 5mm up to 8mm, with reinforced outer sheath. They are intended for installation on poles or facades, with maximum spans of 70m. Designed with a new shape for their wedges, these clamps enable an optimal cable grip. Thus, in case of overload, the pressure is distributed uniformly in order to preserve the optical cable performances. Available to suit 5-6mm and 6-8mm round cable.



PART NO.	DESCRIPTION	PRICE
S83-1792	A) ANCHORING CLAMP 5-6MM ROUND CABLES	4.11
S83-1793	B) ANCHORING CLAMP 6-8MM ROUND CABLES	4.11
S83-1679	C) ANCHORING CLAMP 9-12MM ROUND CABLES	7.49

EXTERNAL FIBRE LOCKING
MECHANISM FOR
ULTRA-LIGHTWEIGHT
OVERHEAD CABLES

The Fibre Locking Mechanism also known as an ELM, is a locking mechanism essential for 'loose' jacketed element or elements in an overhead cable.

The FLM provides an effective solution that isolates the termination of the fibres, either spliced or connectorised, in the fibre enclosure from the 'in span' environmental loading (ice and winding). Ref: 066611.



PART NO.	DESCRIPTION	PRICE
S00-7197	EXTERNAL FIBRE LOCKING MECHANISM	7.49

CAPPING STEEL



Capping Steel No. 1

A galvanised steel channel section 2400mm long x 76mm wide pre-drilled for fixing. Used on wooden poles for protected cable space up to 19 mm in diameter.

Ref: 070320.

Capping Steel No. 4

A galvanised steel channel section 2400mm long x 54mm wide, pre-drilled for fixing. Used on wooden poles for protected cable space up to 51 mm in diameter.

Ref: 070323.

Capping Steel No. 5

A galvanised steel channel section 2400mm long x 80mm wide, pre-drilled for fixing. Used on wooden poles for protected cable space up to 76 mm in diameter.

Ref: 070324.

Capping Steel No. 8

A galvanised steel channel section 610mm x 100mm wide. Used on wooden poles for protecting cable space up to 89mm in diameter.

Ref: 001627.

PART NO.	DESCRIPTION	PRICE
S83-2735	CAPPING STEEL NO. 1	11.99
S83-2736	CAPPING STEEL NO. 4	29.23
S83-2737	CAPPING STEEL NO. 5	38.57
S83-1753	CAPPING STEEL NO. 8	26.15

CONNECTOR BEND NO. 1

Connector Bend No 1 or Elephant's Foot capping adaptor for use at distribution points for connecting 90mm ducts to 19mm capacity Capping Steel No.1.

Ref: Ref 090951.



PART NO.	DESCRIPTION	PRICE
S83-2758	CONNECTOR BEND NO. 1	3.29

POLE DEPTH TUBE (DIP STICK)

Round rigid super high impact heavy gauge black 20mm PVC conduit CR6BK.

Can be used to ensure and test that a pole has been installed to the required minimum depth appropriate for the specific pole.

The conduit is installed parallel to the pole and should be secured using S83-1518 63mm galvanised staples. The conduit should also be capped using S83-1519 20mm pole depth tube cap.



PART NO.	DESCRIPTION	PRICE
V01-1153	A) ROUND PVC CONDUIT BLACK 20MM 3M CR6BK	1.23
S83-1518	B) GALVANISED STAPLES 63MM PK 50	31.66
S83-1519	C) POLE DEPTH TUBE CAP 20MM	0.30

RIGID CABLE PROTECTING GUARDS

- Available in 4 different sizes • Pre-punched to aid installation
- Manufactured from high-impact PVC, for extra protection
- Supplied in 2.4m lengths • Supplied in black.

V01-4058: (also know as capping 26) Black PVC channel section 2440mm long x 51mm wide. Used on walls and wooden poles for protected cable space up to 40mm in diameter. Ref 072903.

V01-4056: (also know as capping 22) Black PVC channel section 2440mm long x 51mm wide. Used on walls and wooden poles for protected cable space up to 19mm in diameter. Ref: 070316.



PART NO.	DESCRIPTION	PRICE
V01-4056	19MM RIGID CABLE PROTECTOR 3M (CAPPING 22)	2.95
V01-4057	25MM RIGID CABLE PROTECTOR 3M	5.95
V01-4058	40MM RIGID CABLE PROTECTOR 3M (CAPPING 26)	10.27
V01-4059	55MM RIGID CABLE PROTECTOR 3M	10.45

PREMISES CAPPING
SEE PAGES 50-51



A) EYEBOLT EXPANDING 1A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M6 thread. This is the preferred method of attaching a dropwire to brickwork at end users' premises. Overhead single point fixing bolt. Ring size 12mm. Required hole size 12mm x 50mm. Ref: 016445.

B) EYEBOLT EXPANDING 2A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread. This is the preferred method of attaching a dropwire to the end users' premises, where the walls are rendered. Ring size:14mm. Required Hole size: 16mm diameter x 95mm depth. Box 20. Ref: 016442 / 021689 / 023041.

C) M8 EYEBOLT

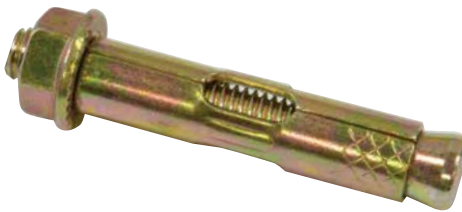
Eyebolt M8 x 95mm for use with Catenary Wire Kits (R02-7028) and associated accessories. Provides temporary or permanent anchorage in stone, concrete or brickwork. Supplied with shield, washer and hex nut.



PART NO.	DESCRIPTION	PRICE
S83-1853	A) EYEBOLT EXPANDING 1A PKT 20	10.25
S83-0901	B) EYEBOLT EXPANDING 2A PKT 20	9.33
R02-7024	C) M8 EYEBOLT (SINGLE)	3.21

STUD EXPANDING 1A

Zinc plated steel stud with an M6 thread (similar to Eyebolt Expanding 1A). Used when securing S83-2724 Bracket 32 and S83-9215 Wall Plate 5A to brickwork. Designed for use in an 8mm diameter hole. Ref: 016303.



PART NO.	DESCRIPTION	PRICE
S83-1854	STUD EXPANDING 1A PKT 20	4.95

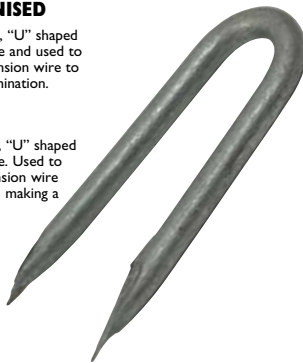
STAPLES GALVANISED

A) Galvanised steel staple, "U" shaped approximately 40mm wide and used to retain single strand suspension wire to poles when making a termination.

Ref:16270.

B) Galvanised steel staple, "U" shaped approximately 50mm wide. Used to retain multi strand suspension wire and CAC's to poles when making a termination.

Ref: 016271.



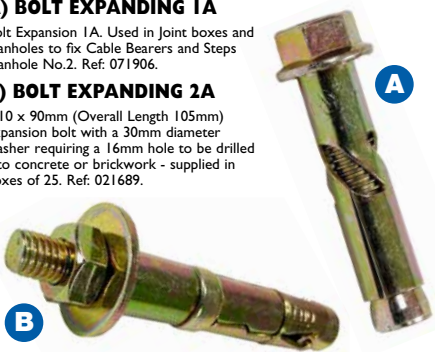
PART NO.	DESCRIPTION	PRICE
S83-2857	40MM STAPLE PK 1KG	8.74
S83-2858	65MM STAPLE PK 1KG	8.01

A) BOLT EXPANDING 1A

Bolt Expansion 1A. Used in joint boxes and manholes to fix Cable Bearers and Steps Manhole No.2. Ref: 071906.

B) BOLT EXPANDING 2A

M10 x 90mm (Overall Length 105mm) expansion bolt with a 30mm diameter washer requiring a 16mm hole to be drilled into concrete or brickwork - supplied in boxes of 25. Ref: 021689.



PART NO.	DESCRIPTION	PRICE
S83-2869	A) BOLT EXPANDING 1A (SINGLE)	0.47
S83-1773	B) BOLT EXPANDING 2A BOX OF 25	21.99

CRANKED COMBINATION SPANNERS

Combination Spanners- cranked at 20 degree to prevent knuckles from rubbing on brickwork and general masonry

A) 10mm combination spanner for installing Bolt Expansion 1a, Eyebolt Expanding 1a and other 10mm hexagon headed fixing. Ref: 127468

B) 17mm combination spanner for installing Bolt Expansion 2a, Eyebolt Expanding 2a and other 17mm hexagon headed fixing. Ref: 129393/141751.



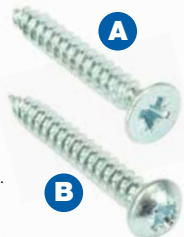
PART NO.	DESCRIPTION	PRICE
H72-1771	A) 10MM COMBINATION SPANNER	1.56
H72-1772	B) 17MM COMBINATION SPANNER	2.64

A) COUNTERSUNK POLE FIXING SCREW

Pozidrive zinc plated countersunk wood screw with twin thread profile for fast installation. Supplied in boxes of 200.

B) PANHEAD POLE FIXING SCREW

Pozidrive zinc plated panhead wood screw with twin thread profile for fast installation. Supplied in boxes of 200.



PART NO.	DESCRIPTION	PRICE
S83-0859	A) NO.12 X 1" COUNTERSUNK POZI WOOD SCREW PK 200	3.75
S83-2927	A) NO.12 X 1.1/2" COUNTERSUNK POZI WOOD SCREW PK 200	5.07
S83-2928	A) NO.12 X 2" COUNTERSUNK POZI WOOD SCREW PK 200	8.30
R02-1662	A) NO.12 X 2.1/2" COUNTERSUNK POZI WOOD SCREW PK 200	8.75
S83-1823	A) NO.12 X 3" COUNTERSUNK POZI WOOD SCREW PK 200	8.96
R07-1747	B) NO.12 X 1" PANHEAD POZI WOOD SCREW PK 200	9.92
R07-1748	B) NO.12 X 1.1/2" PANHEAD POZI WOOD SCREW PK 200	13.49
R07-1749	B) NO.12 X 2" PANHEAD POZI WOOD SCREW PK 200	14.40

PRYSMIAN POLE/WALL MOUNTABLE FTTH CONNECTIVITY PRODUCTS

A) PRYSMIAN HYBRID DROP BOXES

Wall mounted product used for the splicing of up to 4 fibres and up to four customer drop cables. The box also has the added feature of a copper storage area to accommodate a hybrid cable.

B) PRYSMIAN CBT

Pole mounted Connectorised Block Terminal.

C) PRYSMIAN POLE MOUNTED SPLICE & PATCH BOX

The pole mounted splice and patch wall box has 24 drop ports and the ability to loop a cable through. The box can also house 24 LC adapters.

D) PRYSMIAN UMJ JOINT CLOSURE

The Ultra Compact Multi Function Joint (UMJ) is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size. It has a maximum capacity of 72 fibres, the splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres. A multi-functional mounting bracket is available, enabling the CMJ to be wall or pole mounted, either vertically or horizontally.

E) PRYSMIAN CMJ JOINT CLOSURE

The CMJ is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity of up to 144 fibres and its compact size. The splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres.

A multi-functional mounting bracket is available, enabling the CMJ to be wall or pole mounted, either vertically or horizontally.



Prysmian Group

Ring sales for **ordering guide** or visit: www.millsltd.com

COMMSCOPE CBTS (CONNECTORISED BLOCK TERMINAL)

Designed for use in the network access and drop cable portions of a FTTH network and built with hardened connector technology, the CommScope MST Connectorised Block Terminals are factory-terminated and environmentally sealed, to withstand rugged outside plant environments. Plug-and-play connectivity ensures fast deployment and lower installation costs by eliminating time consuming splicing.

The MST provides pole, pedestal, handhole, or strand mounting options, and is offered in two primary configurations: 4x3 or 2xN terminal bodies, each using full-size optical connectors.

Includes a universal mounting bracket.

A) COMMSCOPE 4 PORT CBT - MST-04MH00-A SERIES

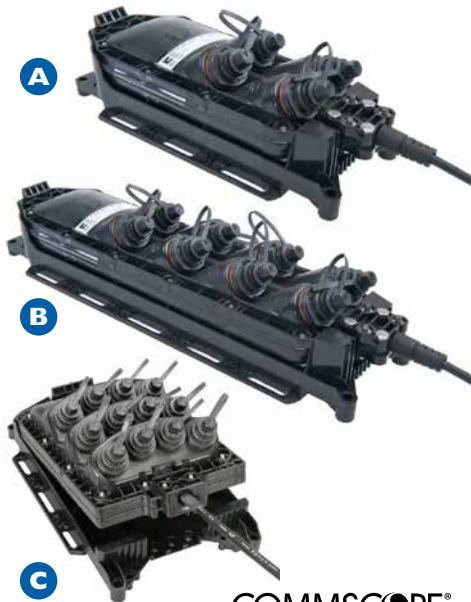
MST, Fibre Optic Multipoint Service Terminal, 4-port hardened full-size SC/APC Connectors, long 2xN port, Stub tail, dielectric flat loose tube cable (please specify desired cable length when ordering).

B) COMMSCOPE 8 PORT CBT - MST-08MH00- A SERIES

MST, Fibre Optic Multipoint Service Terminal, 8-port hardened full-size SC/APC Connectors, long 2xN port, Stub tail, dielectric flat loose tube cable (please specify desired cable length when ordering).

C) COMMSCOPE 12 PORT CBT - MST-12RH00-A SERIES

MST, Fiber Optic Multipoint Service Terminal, 12-port Hardened full-size SC/APC Connectors, square 4x3 port, Stub tail, dielectric flat loose tube cable (please specify desired cable length when ordering).



COMMSCOPE®

See **P64-65** for for more CommScope closures

Ring sales for **ordering guide** or visit: www.millsltd.com



PRYSMIAN 36F AND 48F ULTRA-LIGHT WEIGHT (ULW) OVERHEAD AND UNDERGROUND CABLE

This multi-unit optical drop cable is designed for aerial and/or duct applications and is suitable for use under 11kV power cables.

A) Prysmian 36F Ultra -Light Weight (ULW) Cable (2KM Reel)

Layout: 3 x 12 singlemode fibres

Cable Diameter: 7.0mm

B) Prysmian 48F Ultra -Light Weight (ULW) Cable (2KM Reel)

Layout: 4 x 12 singlemode fibres

Cable Diameter: 7.1mm

The fibre is supplied in a 2km length on plywood reels, longer lengths are available on request.

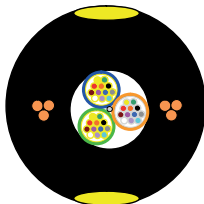


Image shown is of the 36F variant, not to scale.

- Optical fibre: Singlemode G.657.A1.
- Strength member: 3 x 0.32mm brass plated steel wires.
- Longitudinal Water Tightness: Water swellable elements (core only).
- Inner Sheath: HDPE.
- Stripes: Indicate planes for easy sheath removal.
- 36F Drum Height: 44cm.
- 36F Drum Diameter: 80cm.
- Max Installation Tension: 1200N.
- Maximum Breaking Load: 2000N.



PART NO.	DESCRIPTION	PRICE
60082615	A) 36F ULTRA -LIGHT WEIGHT (ULW) (2KM REEL)	1795.00
60050990	B) 48F ULTRA-LIGHT WEIGHT (ULW) (2KM REEL)	2138.00

A) BLOCK TERMINAL 66B

An IDC type connection box with a slide on lid measuring approximately 115 x 90 x 30mm. Used on a Pole or a building when it is necessary to make a joint in the dropwire. Used with Block Inserts 1A and 2A.

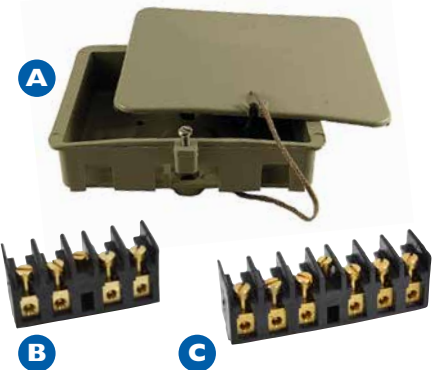
Ref: 072256

B) BLOCK INSERT 1A

Maintenance replacement four way insert, inserted in Block Terminal 66B.

C) BLOCK INSERT 2A

Maintenance replacement six way insert inserted in Block Terminal 66B.



PART NO.	DESCRIPTION	PRICE
S83-2722	A) BLOCK TERMINAL 66B	5.95
S83-3164	B) BLOCK INSERT 1A	3.46
S83-3165	C) BLOCK INSERT 2A	5.41

ABOVE GROUND TELECOMS CLOSURE 2/4A

The 2/4A Above Ground Closure is widely used on buildings where communication wires and drop wires have to be joined externally.

Ref: 026014.

- Gel Crimps themselves offer a degree of protection against the elements but still need to be contained and this enclosure is ideal.
- Designed to accommodate 8A style and other gel filled crimps.
- Used to house the OH splice made from the drop wires entering the house demarcation point.
- Used to join / junction drop wires and other communications / telephone cables.
- Ideal for aerial and underground use, outside plant, under eaves or on poles.
- Options for 1, 2 or 3 cable entry points.
- Complies with BT Specification LN684 Issue 3 2005.
- IP54 rated.
- Product dimensions - 140 x 50 x 20mm approx.
- Can replace Box Connection 16A and Block Terminal 66B for housing joints in dropwire at premises.



PART NO.	DESCRIPTION	PRICE
S83-1683	ABOVE GROUND TELECOMS CLOSURE 2/4A	5.75



FTTP BFD/CU HYBRID COME-ALONG CLAMP FOR DROP CABLE

Used to hold and tension cable during overhead installation.

Features:

Securely wraps around the pole with heavy duty 2 metre chain.

Sturdy carabiners for securing and holding tension during installation.

Durable construction of cable grip housing.
Suitable for Hybrid Drop Tube
Formerly E00-0592.
Ref: 069586.



PART NO.	DESCRIPTION	PRICE
S83-1541	COME-ALONG CLAMP FOR DROP CABLE	21.66

PULLEY DROPWIRE 4

Pulley drop wire No.4 is a one way snatch block type pulley used during the erection and installation of dropwire cable. Also available with a clam cleat S83-2686.

Ref: 127580.



PART NO.	DESCRIPTION	PRICE
S83-2685	PULLEY DROPWIRE 4	36.50

X BOARD 500 CABLE AND FLEXIBLE CONDUIT DISPENSER

The X-BOARD - XB 500 is a horizontal cable reel stand design for quick and effortless reeling and unreeling of most cable reel with a maximum weight capacity of 800kg.

- Universal cable drum rewinder and unwinder
- Suitable for all types of cables, pipes, wires and cable drums
- Loadable up to 800 kg
- Excellent for damaged cable drums
- Also suitable for loose cable bundles
- Unwinding of 2 cable bundles simultaneously
- Non-slip and stable base



Dimensions: L 530 x B 530 x H 150 mm
Diameter: Ø 500 mm
Weight: 6.35 kg
Load bearing capacity: 800 kg
Drum width: variable
Height: 133 mm

PART NO.	DESCRIPTION	PRICE
S00-4350	X BOARD 500 CABLE AND FLEXIBLE CONDUIT DISPENSER	219.00

GRIP PULLING AERIAL CABLE

Grip Pulling Aerial Cable - 'come along clamp' - available in 2 sizes:

A) S83-0940: Used for the installation of aerial cables, sometimes referred to as a come-along clamp. Size 2A is 4-12mm. Ref: 127256.

B) S83-0993: Used for the installation of aerial cables, sometimes referred to as a come-along clamp. Size 3A is 3-9mm.



PART NO.	DESCRIPTION	PRICE
S83-0940	A) GRIP PULLING AERIAL CABLE 2A (4-12MM)	57.05
S83-0993	B) GRIP PULLING AERIAL CABLE 3A (3-9MM)	50.86

PULLEY DROPWIRE 6

The Pulley Drop wire No.6 is a one way snatch block type pulley, similar to the S83-2685 but incorporating a clam cleat. Used during the erection and installation of dropwire.

Ref: 047036.



PART NO.	DESCRIPTION	PRICE
S83-2686	PULLEY DROPWIRE 6	53.96

MILLS CABLE A FRAME AND CABLE DRUM CONES

A) S13-1200: 24 Inch Universal Cable Reel Stand - Suits drums up to 600mm diameter, 500mm width and weight of 100kg.

Dimensions: 780 x 750 x 180mm.
Weight: 10kg.



B) S13-0464: A pair of tapered cones designed to be used in conjunction with the S13-1200 (Formerly S00-1200) Mills Cable A Frame, allowing smooth dispensing of cable from single or multiple cable drums.

The cones are tapered to accept reels with spindle bores from 25mm to 120mm.

In addition, multiple pairs of cones can be 'back to backed' to allow more than one reel to be dispensed.

The cones have quick turn toggle clamps which can be easily adjusted to accept reel widths of up to 500mm.



PART NO.	DESCRIPTION	PRICE
S13-1200	A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER	31.00
S13-0464	B) MILLS CABLE DRUM CONES FOR CABLE A FRAME	49.95

DISPENSER DROPWIRE 2B

A specialist cable stand and dispenser, manufactured from tubular steel construction dropwire dispenser with an adjustable tensioning device to prevent overrun of the drum. The product has recently been upgraded from the original design to benefit from a new spindle which makes it easier to load and capable of accepting drums from 130mm to 175mm widths. The drum is held by means of a spring loaded spindle. The unit further benefits from telescopic handle.

Ref: 127548 / 126468.



PART NO.	DESCRIPTION	PRICE
S00-8426	DISPENSER DROPWIRE 2B	79.95

DROPWIRE

A) Dropwire 10B

A two pair dropwire with 0.5 copper conductors used either when an end user requires a single line or two lines terminated on the same NTE. Supplied in 350m drums. Ref: 055201

B) Cable Dropwire 14

Overhead telephone distribution cable. Drop wire 14 is a 4 pair black external cable, incorporating strain wires of yellow pvc insulated, brass coated steel stranded wire. Supplied on 350m drum.



PART NO.	DESCRIPTION	PRICE
W05-0347	A) DROPWIRE 10B	65.33
W05-0348	B) DROPWIRE 14	87.28

CONNECTOR DROPWIRE 2A

Designed for wire gauge sizes 0.5-0.9mm and Dropwire. This is a grease filled two wire straight through insulation displacement connector.

Box of 100.



PART NO.	DESCRIPTION	PRICE
S83-2767	CONNECTOR DROPWIRE 2A	10.83

TENSIONER WIRE STAY

A lever operated tensioning tool used for tensioning stay wires.

Ref: 126259.



PART NO.	DESCRIPTION	PRICE
S83-0805	TENSIONER WIRE STAY	63.33

DISPENSER SASH LINE

Sash line dispenser used with Dispenser Dropwire to aid dispensing of Sash Line.

Ref: 126356.



PART NO.	DESCRIPTION	PRICE
S83-0782	DISPENSER SASH LINE	14.95

BELT POLE 1B

Used along with Dispenser Dropwire 1 to tie off sash line at the base of a pole. In the interests of safety, this item is non-returnable and non-refundable (unless faulty). Ref: 126966.



PART NO.	DESCRIPTION	PRICE
S83-3949	BELT POLE 1B	29.17

SLEEVE DROPWIRE PROTECTION 2A

35mm long PVC sleeve which is placed over the folded back strength members of Cable Drop wire 10. The sleeve protects the conductors from possible damage caused by the sharp ends of the strength members. Supplied in a pack of 100.



PART NO.	DESCRIPTION	PRICE
S83-0950	SLEEVE DROPWIRE PROTECTION 2A	10.83

TENSIONER 2B

Ratchet tensioner tool for aerial cable erection and recovery. The Tensioner 2B is a drive lever operated winch which has a 4.5 metre x 5mm wire rope giving the product safe working load of 450kg (1000LB) 4450 Newtons. Ref: 127453



PART NO.	DESCRIPTION	PRICE
S83-0925	TENSIONER 2B	68.00

MILLS CBT BACK-TO-BACK POLE BRACKET (DOUBLE)

A galvanised bracket for 4, 8 and 12 Way Corning and Commscope CBTs (Connector Block Terminals). Manufactured from 1.2mm galvanised steel, the bracket is approved for PIA application and fixes to the top of the pole using the panhead screws provided.

The bracket has 4 x 3mm, 8 x 4mm and 4 x 6mm nutserts to accept different manufacturers' CBT's. The 'back to back' bracket is supplied with:

- 4 x M3 x 25 Pozzi Panhead Screws.
- 8 x M4 x 30 Pozzi Panhead Screws.
- 4 x M6 x 30 Pozzi Panhead Screws.

Each face measures 380 x 140 mm and the bracket 'stands off' 165mm.

This product has recently been upgraded, as requested by Openreach, with the addition of a protective strip to the top edge.

Ref: 095656.



PART NO.	DESCRIPTION	PRICE
S00-0978	MILLS CBT BACK-TO-BACK POLE BRACKET (DOUBLE)	29.95

MILLS UNIVERSAL FACEPLATE FOR CBT BACK-TO-BACK BRACKETS

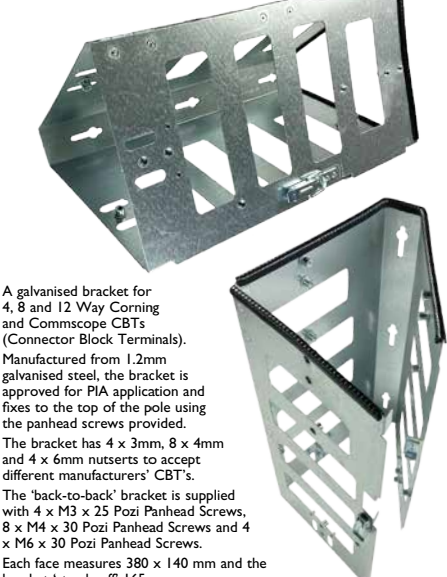
A specialist composite material block 360mm x 140mm x25mm, for mounting on to the double or triple CBT brackets, for provision of legacy copper components and relieving congestion at the top of poles.

The block is predrilled, supplied with 2 x M6 x 30mm panhead screws and benefits from a 25 year warranty. (Bracket not included).



PART NO.	DESCRIPTION	PRICE
S83-1852	MILLS UNIVERSAL FACEPLATE FOR CBT BACK-TO-BACK BRACKETS	7.95

MILLS CBT 3 WAY BACK-TO-BACK HINGED POLE BRACKET



A galvanised bracket for 4, 8 and 12 Way Corning and Commscope CBTs (Connector Block Terminals).

Manufactured from 1.2mm galvanised steel, the bracket is approved for PIA application and fixes to the top of the pole using the panhead screws provided.

The bracket has 4 x 3mm, 8 x 4mm and 4 x 6mm nutserts to accept different manufacturers' CBT's.

The 'back-to-back' bracket is supplied with 4 x M3 x 25 Pozzi Panhead Screws, 8 x M4 x 30 Pozzi Panhead Screws and 4 x M6 x 30 Pozzi Panhead Screws.

Each face measures 380 x 140 mm and the bracket 'stands off' 165mm.

PART NO.	DESCRIPTION	PRICE
S00-1741	MILLS CBT 3 WAY BACK-TO-BACK HINGED POLE BRACKET	49.95

MILLS SPICEMATE PORTABLE SPLICER'S TABLE & TRIPOD

Comprising an edged tray and fully adjustable tripod, the Spicemate is the ideal solution for both field and exchange engineers. The splicer can be securely attached to the tray in multiple positions, allowing ample room for tools, cleaning products and accessories.

The splicing tray is manufactured from 2mm steel plate and measures 400mm deep x 500mm wide. In addition the tray has 4 slots which allows the splicer to be secured in multiple positions using the 6mm captive tripod screw (supplied). The underside of the tray has a threaded boss for easy location and can be quickly screwed into the tripod.

The professional grade tripod is manufactured from lightweight aluminium weighing less than 1.8kg and able to extend from a close height of 43cm to a maximum height of 146cm.

In addition the tripod has a S Hook to allow it to be weighted with a 5kg traffic bag (S00-6725).



PART NO.	DESCRIPTION	PRICE
S83-1857	MILLS SPICEMATE PORTABLE SPLICER'S TABLE & TRIPOD	199.95

THE MILLS POLEMATE SYSTEM

The Polemate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Polemate system comprises a pole-mounting base unit to which splicing trays and cable reel stands can quickly and easily be attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Pitmate System, shown on page 445. The Mills Polemate system can be supplied as modular components or as a complete Polemate kit.

MILLS POLEMATE KIT

Kit comprises;

- S83-7622 Base Unit
- S83-7623 Rubber Wedge Spacers Pk3
- S83-7629 Splicer's Work Tray
- S83-7624 CBT Arm
- S83-9327 Complete Kit



Polemate Base Unit ...with General Tray ...with Splicer's Tray ...with CBT Reel Arm



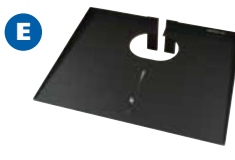
MILLS POLEMATE BASE UNIT

The foundation of the Polemate system is this Polemate Base Unit which comprises a 50mm wide x 1200mm long webbing ratchet strap and a pole back plate, which can be simply ratcheted to the desired height on the pole.



MILLS POLEMATE BASE UNIT WITH SPLICER'S WORKTRAY

This kit contains a 50mm wide x 1500mm long webbing strap with back plate, splice table with splicer tripod fixing 508mm x 408mm. Strap Dimensions 50mm width x 1500mm in length. Splice Tray 508mm width x 408mm depth x 2mm thickness. Total weight 5.2Kg



SPLICER'S WORK TRAY

A purpose made splicers tray that simply slots into the S83-7622 Polemate Base Unit providing a firm work support for both joint, splicer, cleaver and associated tools. Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.



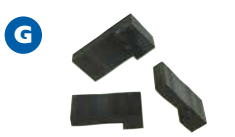
CBT ARM

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manner due to the interference fit of the spindle flanges.



GENERAL WORKING TRAY

Easily slipped into the S83-7622 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm



RUBBER WEDGE SPACER PK3

Pack of 3 wedge-shaped rubber spacers which can be used to prevent compression marks and avoid damage to vertically routed copper cables. Dimensions: Length 100mm x Width 50mm wide x Thickness 15/30mm.

PART NO.	DESCRIPTION	PRICE
S83-9327	A) MILLS POLEMATE KIT	221.55
S83-7622	B) MILLS POLEMATE BASE UNIT	33.95
S83-6958	C) MILLS POLEMATE BASE UNIT WITH SPLICER'S WORKTRAY	99.95
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY	66.00
S83-7624	E) MILLS POLEMATE / PITMATE CBT ARM	99.95
S83-7431	F) MILLS POLEMATE / PITMATE GENERAL WORKING TRAY	39.95
S83-7623	G) MILLS POLEMATE RUBBER WEDGE SPACER PK3	21.65

RIGGING HEAD 1A

For installing rigging lines in hollow poles.



This device is used for threading cable up the inside of hollow telegraph poles. It is used by screwing the head on to Rod Duct No.2 and pushing it up the inside of the telegraph pole. A weight attached to a length of rope drops down the outside of the pole, leaving the pole threaded by rope. Cable can then be fed through.

PART NO.	DESCRIPTION	PRICE
S83-0781	RIGGING HEAD 1A	15.81

MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

A multi-purpose star shaped key for use on normal copper cabinets as well as Huawei and ECI DSLAM's Cabinets.

This key is similar to the standard S83-0804 triangular pillar key but has further semi-circular recesses that allow it to be used on both copper and fibre cabinets.



PART NO.	DESCRIPTION	PRICE
S13-1635	MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS	6.95

POLE TENT
SEE OUR WEBSITE
millsltd.com



MILLS CABLING IN PROGRESS 3 SIDED BOLLARD 500MM

The Mills three sided 'Cabling in Progress' bollard is an essential addition to assist the cabling engineer for both internal and external installations.

These bollards are 500mm in height, fully stackable, manufactured from 100% recycled PVC, with a heavy base for support in high winds.

Height: 500mm.
Width at base: 390mm.



PART NO.	DESCRIPTION	PRICE
S00-1627	MILLS CABLING IN PROGRESS 3 SIDED BOLLARD 500MM	9.95

RIGGING WEIGHT 1A

Sash weight 0.8kg for use with Rigging Head 1A (S83-0781) to assist with cabling on hollow poles. The weight is tapered and manufactured from plated steel and supplied with snap key ring hook.

Ref: 126676.



PART NO.	DESCRIPTION	PRICE
S83-0936	RIGGING WEIGHT	5.39

KEY PILLAR

A multi purpose triangular shaped key for use on hollow poles, cross connection cabinets, distribution pillars and jointing posts.

Also known as BT Key Pillar. Formerly S83-0804.

Ref: 114996.



PART NO.	DESCRIPTION	PRICE
S83-0804	KEY PILLAR	5.95

MILLS BELT POCKET

A heavy duty tool bag and pouch manufactured for the telecommunication engineer from heavy grade cordura with robust fully adjustable webbing belt. This toolholder features 4 pockets (1 Large, 1 medium and 2 small) and is ideally for storage of hand tools, cleats and consumables. The base and corners of the belt pocket have been reinforced with 2 layers of material.

Dimensions: Width 260mm x Height 375mm.

Ref: 058524 / 129466.



PART NO.	DESCRIPTION	PRICE
S13-0804	MILLS BELT POCKET	12.20

A) MILLS TOOL BAG LIFTING HANGER

A specialist 6mm sprung wire lifting hanger used in conjunction with Mills Super Wide Opening Tool bags (B72-5810 and B72-5811) by linesman working at height.



B) MILLS JUNIOR TOOL BAG

High quality super-wide opening multi-pocketed bags with shoulder straps and soft sides to not only protect expensive tools and testers, but also to prevent to customers walls and floors. Now with reinforced plastic base.



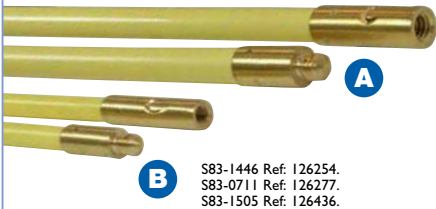
PART NO.	DESCRIPTION	PRICE
R02-4674	A) MILLS TOOL BAG LIFTING HANGER	4.95
B72-5811	B) MILLS JUNIOR TOOL BAG	17.09

External Overhead & Underground

External Underground



RODS DUCT



S83-1446 Ref: 126254.
S83-0711 Ref: 126277.
S83-1505 Ref: 126436.



Genuine BT specification rods,
manufactured in the UK.

Four different threads are used to connect the most commonly used duct rods.

Type A: S83-1446 Duct Rod No.1 (3 metre) and S83-0711 No.2 (2 metre) Male and Female

Type B: S83-1505 Duct Rod No.5 Male and Female

Type C: S83-0776 Duct Rod No.3 Continuous Male and Female

Type D: S83-0776 Duct Rod No.3 Continuous Male only - For attachment to the bare rod only

A) As supplied and approved by the telecom utilities. 25mm diameter high quality glass fibre reinforced rod with polyethylene outer coating. Features quick release brass threaded fittings that can be quickly joined and released.

B) As supplied and approved by the telecom utilities Duct Rod No 5 is a 13mm diameter high quality glass fibre reinforced rod with polyethylene outer coating. The rod is 2m in length and quick release brass threaded fittings that can be quickly joined and released.

PART NO.	DESCRIPTION	PRICE
S83-1446	A) NO.1 FERRET TYPE 3M X 25MM	16.52
S83-0711	A) NO.2 FERRET TYPE 2M X 25MM	14.99
S83-1505	B) NO.5 FERRET TYPE 2M X 13MM	6.45

ROD DUCT NO 3
CONTINUOUS
250M X 15/16 INCH

Used and approved by the telecom utilities Duct Rod No3 is a 15/16" diameter high quality reinforced fibreglass rod with polyethylene outer coating supplied in a continuous coiled reel of 250m with no joints fitted. This item is usually supplied on its own to fit to a motorised swift in larger vans with S83-0780 Coupling Rod Duct 3 Reel.

Coil diameter approx. 183cm or 6'.



PART NO.	DESCRIPTION	PRICE
S83-0776	ROD DUCT NO 3 CONTINUOUS 250M X 15/16 INCH	354.21

MILLS DUCT ROD
NO.1 ACCESSORY KIT

Comprehensive accessory kit for S83-1446 Duct Rod No.1 and S83-0711 Duct Rod No.2.

Comprising:

S83-0714 Adaptor Rod 1A
S83-0712 Adaptor Rod 2A
S83-0713 Adaptor Rod 3A
S83-0715 Adaptor Rod 5
S83-0716 Adaptor Rod 7
S13-0720 Attachment Rod 4A



PART NO.	DESCRIPTION	PRICE
S00-7671	MILLS DUCT ROD NO.1 ACCESSORY KIT	59.99

MILLS DUCT ROD NO.3
ACCESSORY KIT

Comprehensive accessory kit for S83-0776 Duct Rod No.3 Continuous

Comprising:

S83-0714 Adaptor Rod 1A
S83-0712 Adaptor Rod 2A
S83-0713 Adaptor Rod 3A
S83-0715 Adaptor Rod 5
S13-0720 Attachment Rod 4A
S83-0777 Coupling Rod Duct 3 Male
S83-0778 Coupling Rod Duct 3 Male Swivel
S83-0779 Coupling Rod Duct 3 Male
S83-0780 Coupling Rod Duct 3 Reel



PART NO.	DESCRIPTION	PRICE
S00-7672	MILLS DUCT ROD NO.3 ACCESSORY KIT	79.99

MILLS DUCT ROD
NO.5 ACCESSORY KIT

Comprehensive accessory kit for S83-1505 Duct Rod No.5.

Comprising:

S83-0717 Attachment Rod 1A
S83-0718 Attachment Rod 2A
S83-0719 Attachment Rod 3A
S83-0716 Adaptor Rod 7



PART NO.	DESCRIPTION	PRICE
S00-7673	MILLS DUCT ROD NO.5 ACCESSORY KIT	33.67

S13-1825 SUBDUCT PULLING EYE
(WUD CARROT) - (GRIPS THREADED)

Designed to install polyethylene ducting (sub duct) using a 100mm long screw-in tapered thread which will grip ducts with an inner diameter of 10 to 22mm. These 'grips threaded' have cutting edges which actually make a thread in the bore of the ducting, similar to using a tap to cut a thread in steel. To ensure a reliable grip we recommend 7 or 8 full threads of contact.

The Mills WUD Carrot has a 'Type A' male thread for direct fitting to the female end of the No1 and No2 Ferret Duct Rods (S83-1446 and S83-0711). These subduct 'pulling eyes' are manufactured from hardened steel and have been zinc plated to provide corrosion resistance.



PART NO.	DESCRIPTION	PRICE
S13-1825	SUBDUCT PULLING EYE (WUD CARROT)	39.95

GRIP COUPLING 1A

The Grip Coupling 1A is a simple 3 metre x 13mm fibre rod to assist in straightening 25mm subduct No5, prior to installation.

The full length of the rod is inserted and secured into the 25mm subduct using its tapered thread fixing.

Once secured the S83-2638 'Grip Coupling 1A' can then be attached to a duct rod No1 (S83-1446) or duct rod No2 (S83-0711) and the subduct easily introduced and pulled into the main duct.



PART NO.	DESCRIPTION	PRICE
S83-9321	GRIP COUPLING 1A	45.95

ADAPTOR ROD 1A

This adaptor has Type C female thread and a Type A male thread and can be used to attach S83-0778 Coupling Rod Duct 3 Male Swivel and S83-0779 Coupling Rod Duct 3 Male to the female end of a S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2.

Ref: 126484.

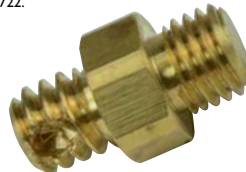


PART NO.	DESCRIPTION	PRICE
S83-0714	ADAPTOR ROD 1A	6.98

ADAPTOR ROD 3A

This adaptor has a Type A male thread and a Type C male thread and provides a multitude of connection options including the adaption of the female end of a S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 to connect to a S83-0720 Attachment Rod 4A or Coupling Up Pieces S83-0721 and S83-0722.

Ref: 126485.



PART NO.	DESCRIPTION	PRICE
S83-0713	ADAPTOR ROD 3A	10.43

ADAPTOR ROD 7

This adaptor has a Type B male thread and a Type A female thread and allows the male end of S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 to join to the female end of S83-1505 Duct Rod No.5.

Ref: 110002.



PART NO.	DESCRIPTION	PRICE
S83-0716	ADAPTOR ROD 7	10.67

ADAPTOR ROD 2A

This adaptor has a Type A female lockfast thread and a Type C male thread and adapts the male end of an S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 for use with an S83-0720 Attachment Rod 4A or Coupling Up Pieces S83-0721 and S83-0722.

Ref: 126540.



PART NO.	DESCRIPTION	PRICE
S83-0712	ADAPTOR ROD 2A	17.72

ADAPTOR ROD 5

This adaptor has a Type A male thread and a Type C male thread. It can be used as a flexi-end when fixed into the female end of a S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 and combined with S83-0720 Attachment Rod 4A. It can also be used to connect S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2, to S83-0721 and S83-0722 Coupling Up Pieces.

Ref: 126296.



PART NO.	DESCRIPTION	PRICE
S83-0715	ADAPTOR ROD 5	27.02

ATTACHMENT ROD 1A

This attachment has a Type B male thread and is used as a bullet end / leader when attached to the female end of S83-1505 Duct Rod No.5.

Ref: 126479.



PART NO.	DESCRIPTION	PRICE
S83-0717	ATTACHMENT ROD 1A	8.00

SONDES
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PLIERS ROD SWEEP

For assembling and disassembling Duct Rods No.1, No.2 and No.5 and accessories. Jaw opening: 10 mm. Width: 30 mm. Length: 190 mm. Weight: 0.19 kg. Ref: 126730.



PART NO.	DESCRIPTION	PRICE
S83-2676	PLIERS ROD SWEEP	29.95

ATTACHMENT ROD 2A

This attachment has Type B female 'Lockfast' thread and is used as a bullet end or leader when attached to the male end of S83-1505 Duct Rod No 5. The attachment is 73mm in length with a diameter of 13mm.
Ref: 126480.



PART NO.	DESCRIPTION	PRICE
S83-0718	ATTACHMENT ROD 2A	9.57

ATTACHMENT ROD 4A

This attachment has a Type C female thread and is used as a bullet end or leader. To use with S83-1446 Duct Rod No.1 or S83-0711 Duct Rod No.2 requires either: S83-0713 Adaptor Rod 3A, S83-0712 Adaptor Rod 2A, S83-0715 Adaptor Rod 5.

To use with S83-0776 Duct Rod No.3 Continuous 250m requires: S83-0778 Coupling Rod Duct 3 Male Swivel, S83-0779 Coupling Rod Duct 3 Male.
Ref: 126382.



PART NO.	DESCRIPTION	PRICE
S13-0720	ATTACHMENT ROD 4A	2.73

COUPLING ROD DUCT 3 FEMALE

For repair of S83-0776 Duct Rod No.3 Continuous, this item can be used in combination with S83-0778 Coupling Rod Duct 3 Male Swivel or S83-0779 Coupling Rod Duct 3 Male.

This coupling has Type D male thread for attachment to a bare S83-0776 Duct Rod No.3 Continuous and a Type C female thread for connection to other Type C male thread couplers and attachments such as: S83-0715 Adaptor Rod 5, S83-0778 Coupling Rod Duct 3 Male Swivel, S83-0779 Coupling Rod Duct 3 Male, S83-0712 Adaptor Rod 2A, S83-0713 Adaptor Rod 3A.
Ref: 126394.



PART NO.	DESCRIPTION	PRICE
S83-0777	COUPLING ROD DUCT 3 FEMALE	10.49

COUPLING ROD DUCT 3 MALE SWIVEL

For repair of S83-0776 Duct Rod No.3 Continuous, this item can be used in combination with S83-0777 Coupling Rod Duct 3 Female

This coupling has a Type D male thread for attachment to a bare S83-0776 Duct Rod No 3 and a swivel Type C male thread for connection to other Type C female thread couplers and attachments such as: S83-0720 Attachment Rod 4A, S83-0777 Coupling Rod Duct 3 Female, S83-0714 Adaptor Rod 1A, S83-0721 Coupling Up Piece No.1 Small, S83-0722 Coupling Up Piece No.2 Medium.
Ref: 126393.



PART NO.	DESCRIPTION	PRICE
S83-0778	ROD DUCT 3 MALE SWIVEL	9.81

ATTACHMENT ROD 3A

This attachment has a Type B male thread and is a flexi spring end complete with a bullet end / leader when attached to the female end of S83-1505 Rod Duct No.5.
Ref: 126973.



PART NO.	DESCRIPTION	PRICE
S83-0719	ATTACHMENT ROD 3A	7.58

COUPLING ROD DUCT 3 REEL

This adaptor has a Type D male thread and attaches the storage reel to the inner end of S83-0776 Rod Duct 3.
Ref: 126454.



PART NO.	DESCRIPTION	PRICE
S83-0780	COUPLING ROD DUCT 3 REEL	9.94

COUPLING ROD DUCT 3 MALE

This coupling has a Type D male thread for attachment to a bare S83-0776 Duct Rod No 3 and a Type C male thread for connection to other Type C female thread couplers and attachments such as: S83-0720 Attachment Rod 4A, S83-0777 Coupling Rod Duct 3 Female, S83-0714 Adaptor Rod 1A, S83-0721 Coupling Up Piece No.1 Small, S83-0722 Coupling Up Piece No.2 Medium.



Ref: 126393.

PART NO.	DESCRIPTION	PRICE
S83-0779	COUPLING ROD DUCT 3 MALE	5.30

COUPLING UP PIECES (MARRYING SETS)

A) The No.1 (Small) Lockfast Marrying Set has a Type C female thread at each end. It is designed to connect or 'marry' duct rods in congested or smaller ducts. Dimensions: 34.5mm x 165mm.



B) The No.2 Medium Lockfast Marrying Set has a Type C female thread at each end. It is designed to connect or 'marry' duct rods whilst in the duct. Dimensions: 47.5mm x 165mm.



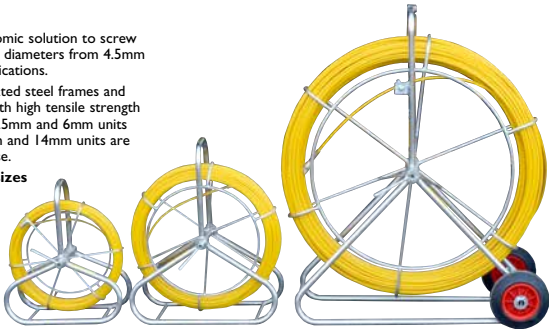
PART NO.	DESCRIPTION	PRICE
S13-0721	A) NO.1 (SMALL)	57.50
S13-0722	B) NO.2 (MEDIUM)	62.60

RODS CONTINUOUS (COBRAS)

Cobra rods represents a faster and more economic solution to screw together duct rods and are available in standard diameters from 4.5mm to 14mm and range of lengths to suit most applications.

The conduit rods are supplied in robust zinc plated steel frames and utilise a high quality reinforced fibreglass rod with high tensile strength ensuring on-going reliability and performance. 4.5mm and 6mm units are free standing whilst the heavier 9mm, 11mm and 14mm units are supplied with wheels for mobility and ease of use.

For rod and frame, or replacement rods sizes 9mm and above, the below prices include standard delivery to mainland U.K. (excludes Scottish Highlands).



PART NO.	DESCRIPTION	PRICE
S00-7714	4.5MM X 60M ROD AND FRAME 6KG	139.56
S00-7750	4.5MM X 60M REPLACEMENT ROD 2KG	69.89
S00-1358	6MM X 60M ROD & FRAME 10KG	142.67
S00-1368	6MM X 60M REPLACEMENT ROD 1KG	74.95
S00-3590	6MM X 100M ROD & FRAME 12KG	153.87
S00-3591	6MM X 100M REPLACEMENT ROD 3KG	89.09
S00-3290	6MM X 120M ROD AND FRAME 12KG	159.80
S00-3291	6MM X 120M REPLACEMENT ROD 3KG	105.45
S00-3292	6MM X 150M ROD AND FRAME 13KG	185.45
S00-3293	6MM X 150M REPLACEMENT ROD 4KG	125.09
S00-3294	9MM X 100M ROD AND FRAME 30KG	321.37
S00-3295	9MM X 100M REPLACEMENT ROD 9KG	185.45
S00-1352	9MM X 120M ROD & FRAME 32KG	337.73
S00-1369	9MM X 120M REPLACEMENT ROD 11KG	208.64
S00-1370	9MM X 150M ROD & FRAME 35KG	346.67
S00-1371	9MM X 150M REPLACEMENT ROD 14KG	225.00
S00-3296	9MM X 200M ROD AND FRAME 40KG	426.82
S00-3297	9MM X 200M REPLACEMENT ROD 18KG	291.91
S00-3298	11MM X 100M ROD AND FRAME 39KG	383.18
S00-3299	11MM X 100M REPLACEMENT ROD 16KG	228.64
S00-3300	11MM X 150M ROD AND FRAME 47KG	452.27
S00-3301	11MM X 150M REPLACEMENT ROD 24KG	294.09
S00-1355	11MM X 200M ROD & FRAME 54KG	542.98
S00-1372	11MM X 200M REPLACEMENT ROD 31KG	379.55
S00-1356	11MM X 250M ROD & FRAME 61KG	606.82
S00-1373	11MM X 250M REPLACEMENT ROD 38KG	455.91
S00-3302	11MM X 300M ROD AND FRAME 69KG	706.82
S00-3303	11MM X 300M REPLACEMENT ROD 46KG	499.55
S00-3304	14MM X 150M ROD AND FRAME 65KG	721.36
S00-3305	14MM X 150M REPLACEMENT ROD 33KG	597.42
S00-3306	14MM X 200M ROD AND FRAME 77KG	809.79
S00-3307	14MM X 200M REPLACEMENT ROD 45KG	698.99
S00-3308	14MM X 250M ROD AND FRAME 87KG	929.55
S00-3309	14MM X 250M REPLACEMENT ROD 55KG	830.45
S00-3310	14MM X 300M ROD AND FRAME 99KG	1,094.09
S00-3311	14MM X 300M REPLACEMENT ROD 67KG	929.81
S00-3312	14MM X 350M ROD AND FRAME 111KG	1,142.16
S00-3313	14MM X 350M REPLACEMENT ROD 79KG	1,017.03
S00-7604	11MM X 350M ROD AND FRAME	821.15
S00-7608	11MM X 350M REPLACEMENT ROD	614.04
S00-7605	14MM X 400M ROD AND FRAME	1309.61
S00-7609	14MM X 400M REPLACEMENT ROD	1297.40
S00-7606	14MM X 450M ROD AND FRAME	1448.07
S00-7610	14MM X 450M REPLACEMENT ROD	1408.36
S00-7607	14MM X 500M ROD AND FRAME	1576.92
S00-7611	14MM X 500M REPLACEMENT ROD	1525.19

MILLS COBRA ACCESSORY KITS 4.5MM AND 6MM

Comprehensive accessory kit for either 4.5mm or 6mm cobra frames comprising:
• End Fitting
• Joint Coupler
• Bullet End
• Spring End Attachment
• Bullet End with Shackle
• Roller End Attachment
• R00-3505 Engineering Adhesive 3ml



PART NO.	DESCRIPTION	PRICE
S00-7666	A) COBRA ACCESSORY KIT 4.5 MM	42.99
S00-7667	B) COBRA ACCESSORY KIT 6 MM	44.99

MILLS COBRA ACCESSORY KITS 9MM, 11MM AND 14MM

Comprehensive accessory kit for either 9mm, 11mm and 14mm cobra frames comprising:
• End Fitting
• Joint Coupler
• Bullet End
• Flexi End 6mm
• Spring End Attachment
• Bullet End with Shackle
• Roller End Attachment
• Ball Attachment 40mm
• R00-3505 Engineering Adhesive 3ml



PART NO.	DESCRIPTION	PRICE
S00-7668	A) COBRA ACCESSORY KIT 9 MM	87.99
S00-7669	B) COBRA ACCESSORY KIT 11 MM	88.99
S00-7670	C) COBRA ACCESSORY KIT 14 MM	89.99

CABLE AND DUCT ROD PUSHING MACHINE

A simple hydraulic pushing and pulling machine for cables and duct 11-70mm. Ideal for use with cobra and associated duct rods. Please call our office for further details.



PART NO.	DESCRIPTION	PRICE
BKS400	CABLE AND DUCT ROD PUSHING MACHINE	

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MAXPROBE CAMERA

The Maxprobe™ is Scanprobe Techniques' flagship push-rod camera system, designed with the drainage engineer in mind. Not satisfied with just being able to survey pipelines, this camera system is optimised to make the entire process easy, not just when the camera is in the pipe.

For further information
please call our sales dept:
020 8833 2626



MILLS SWIVEL CONNECTORS FOR 4.5, 6, 9, 11, 14MM COBRA RODS

For long runs, this accessory enables two cobras to be screwed and coupled together.

Available for
4.5, 6, 9, 11, 14MM
Cobra Rods.



PART NO.	DESCRIPTION	PRICE
S13-0668	SWIVEL CONNECTOR FOR 4.5MM & 6MM COBRA RODS	8.95
S13-0582	SWIVEL CONNECTOR FOR 9MM, 11MM & 14MM COBRA RODS	16.33

RADIODETECTION SPX FLEXITRACE

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RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT I

Adaptor to join the Radiodetection SPX S18 Sonde to Rods Duct I. Also available as a spring assisted version for flexibility.



PART NO.	DESCRIPTION	PRICE
S83-2670	RADIODETECTION SPX S18 SONDE ADAPTOR ROD DUCT I	34.67

MILLS REPLACEMENT BRAKE HANDLE FOR 9, 11 AND 14MM COBRAS

Mills Replacement Brake Handle for 9, 11, and 14mm Cobras.

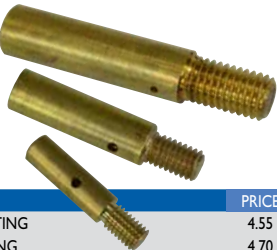


PART NO.	DESCRIPTION	PRICE
S00-0429	REPLACEMENT BRAKE HANDLE FOR 9, 11, AND 14MM COBRAS	20.83

END FITTINGS

Male threaded brass rod end connector supplied as standard at both ends of all rods.

Does not include adhesive.



PART NO.	DESCRIPTION	PRICE
S13-7715	4.5MM END FITTING	4.55
S13-1374	6MM END FITTING	4.70
S13-1375	9MM END FITTING	4.70
S13-1376	11MM END FITTING	7.20
S03-5895	14MM END FITTING	8.79

JOINT COUPLERS

Connector used to repair broken rods. Requires the use of adhesive (not included).



PART NO.	DESCRIPTION	PRICE
S00-7716	4.5MM JOINT COUPLER	7.76
S13-1377	6MM JOINT COUPLER	6.90
S13-1378	9MM JOINT COUPLER	9.25
S13-1379	11MM JOINT COUPLER	10.50
S03-4759	14MM JOINT COUPLER	11.00

ADHESIVE & REPLACEMENT EYES

A) Adhesive for use with Joint Couplers to repair rods.

B) A protective rod guide, used to guide the rod while being pulled off the reel.



PART NO.	DESCRIPTION	PRICE
R00-3505	A) 3ML ADHESIVE	5.46
S00-4263	B) REPLACEMENT EYES FOR 9, 11 & 14MM RODS	10.69

MILLS BULLET END FOR 4.5MM - 14MM COBRA RODS

Threaded tip which guides the rod through the duct, the eye allows a pulling rope to be attached to the rod.



PART NO.	DESCRIPTION	PRICE
S13-1380	A) 4.5/6MM BULLET END	8.95
S13-1381	B) 9/11/14MM BULLET END	9.95

MILLS FLEXI END FOR 9MM 11MM & 14MM COBRA RODS

A 60cm length of 6mm rod with pulling eye, use to assist conduit rods around bends, suitable for 9mm, 11 and 14mm cobras.



PART NO.	DESCRIPTION	PRICE
S00-1382	FLEXI END	29.10

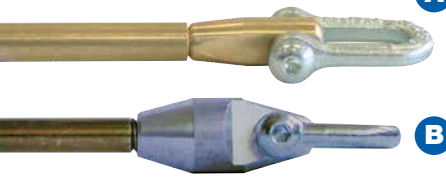
BALL END & U-SHACKLE

A) 40mm ball end attachment for 9, 11 & 14mm rodders.



PART NO.	DESCRIPTION	PRICE
S13-3067	A) 40MM BALL ATTACHMENT FOR 9, 11 & 14MM	4.25
S00-8170	B) U-SHACKLE	13.08

MILLS SHACKLE ATTACHMENT FOR 4.5MM - 14MM COBRA RODS



PART NO.	DESCRIPTION	PRICE
S03-6605	BULLET END WITH SHACKLE FOR 4.5 & 6MM RODS	9.95
S03-6607	BULLET END WITH SHACKLE FOR 9, 11 & 14MM RODS	12.95

MILLS SPRING END ATTACHMENT FOR 4.5MM - 14MM COBRA RODS

A) Spring End Attachment for 4.5/6mm Cobra rods.

B) Spring End attachment to assist conduits around more acute bends-suitable for 9, 11 & 14mm rodders- length 175mm.



PART NO.	DESCRIPTION	PRICE
S03-6604	A) SPRING END ATTACHMENT FOR 4.5 & 6MM RODS	4.95
S13-3068	B) SPRING END ATTACHMENT FOR 9/11/14MM RODS	14.31

MILLS WHEEL ATTACHMENT FOR 4.5MM - 14MM COBRA RODS

A) Wheel Attachment for 4.5/6mm Rods.

B) Wheel Attachment for 9, 11, and 14mm Rods.



PART NO.	DESCRIPTION	PRICE
S03-6606	ROLLER END FOR 4.5 & 6MM RODS	9.95
S03-6608	ROLLER END FOR 9, 11 & 14MM RODS	10.95

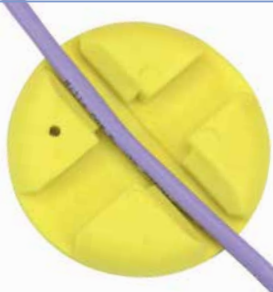
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MILLS PULL PUCK

An essential aid for providing extra grip, when pulling and pushing most cable up to a diameter of 16mm. Manufactured from a high visibility yellow rubberised material, and at just 76mm diameter the Mills cable pulling puck fits into the palm of your hand.



PART NO.	DESCRIPTION	PRICE
S00-6417	MILLS PULL PUCK	2.94

DUCT REPAIR KIT 3A

For repairing Ducts 54, 54D and 55 (96mm Outside Diameter).
Comprises: Duct Split Inserts, Duct Liners and Straps Cable Fixing 10A.
Ref: 095051.

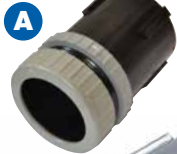


PART NO.	DESCRIPTION	PRICE
S83-2776	DUCT REPAIR KIT 3A GREY	17.95

GLAND CAULKING

A) Gland Caulking 2:

Used for the sealing of Duct 54D in combination with Disc Caulking 1 and Compound 16A.
Ref: 094922.



B) Gland Caulking 3:

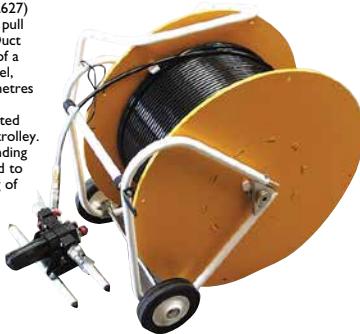
Used for the sealing of Duct 56 in combination with Disc Caulking 4 and Compound 16A.
Ref: 095047.



PART NO.	DESCRIPTION	PRICE
S83-3330	A) GLAND CAULKING 2	21.50
S83-3331	B) GLAND CAULKING 3	5.95

REEL HOSE 6

The Reels, Hose 6 is used to drive the Duct Motor 2B (S83-2627) to pneumatically pull drawrope into Duct 54 and consists of a portable hose reel, containing 300 metres of Hose, with lubricator, mounted on a 2 wheeled trolley. A removable winding handle is supplied to enable rewinding of the hose.
Ref: 078525.



PART NO.	DESCRIPTION	PRICE
S83-2691	REEL HOSE 6	1,589.90

SPLIT DUCT 54D GREY

Rigid PVC tongue and grooved ducts split in half used for repairing Duct 54D.
Dimensions: 96.5mm x 3 metres.
Ref: 095039.



PART NO.	DESCRIPTION	PRICE
S83-1784	SPLIT DUCT 54D GREY	39.95

DISCS CAULKING

Used with Glands Caulking and Compound 16A. Each gland requires two discs.

A) S83-3332
92mm disc, used with gland caulking No2 (S83-3330).
Ref: 091445.

B) S83-1830
96mm disc, used as end socket in duct 54D. Ref: 094988.

C) S83-3333
55mm disc, used with gland caulking No3 (S83-3331).
Ref: 095048.



PART NO.	DESCRIPTION	PRICE
S83-3332	A) DISC CAULKING NO1	3.95
S83-1830	B) DISC CAULKING NO2	3.95
S83-3333	C) DISC CAULKING NO4	1.48

A) DUCT MOTOR 2B

The Ductmotor 2B is designed to pull drawrope into Duct 54 and consists of a double acting pneumatic ram with an inflatable plastic bag at each end. Internal valves cause the ram to extend and contract and the bags No 4 (S83-0867) to inflate and deflate. It is used with a Reel Hose No6 (S83-2691) and Compressor delivering 200 litre/min at 10 Bar.
Ref: 141717.



B) BAG GRIP

Bag Grip Medium No 4- Replacement bags for use with Duct Motor 2B for use in Duct 54.
Ref: 211575.



PART NO.	DESCRIPTION	PRICE
S83-2627	A) DUCT MOTOR 2B	847.23
S83-0867	B) BAG GRIP NO. 4 MEDIUM	17.28

LINK CABLING NO.1

An 8mm diameter steel link used to attach Rope Cabling 1 to cabling grips.
Also used to join two lengths of Rope Cabling 1 together.
Ref: 126421.



PART NO.	DESCRIPTION	PRICE
S83-2662	LINK CABLING NO.1	5.38

LINK CABLING NO.2

A 10mm diameter steel link used to attach Rope Cabling 4 to cabling grips.
Also used to join two lengths of Rope Cabling 4 together.

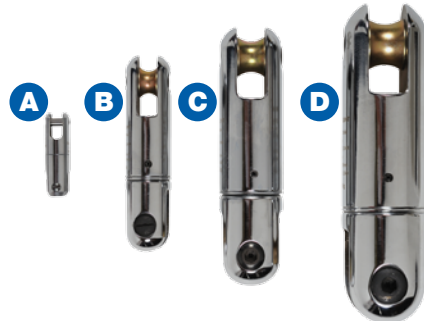


PART NO.	DESCRIPTION	PRICE
S83-2663	LINK CABLING NO.2	6.88

ANTI-TORSION SWIVEL JOINTS

Anti-torsion swivel joint suitable for joining both steel and synthetic pilot and pulling ropes, with pulling socks (Grips Cable). Made from chrome plated high tensile steel.

- A) 12mm diameter. Breaking strain: 850kg. The swivel will accept wires and draw ropes up to 5mm diameter. Dimensions: 12mm x 70mm.
- B) 32mm diameter. Breaking strain: 8,000kg. The swivel will accept wires and draw ropes up to 15mm diameter. Dimensions: 32mm x 120mm.
- C) 45mm diameter. Breaking strain: 18,000kg. The swivel will accept wires and draw ropes up to 19mm diameter. Dimensions: 45mm x 170mm.
- D) 60mm diameter. Breaking strain: 36,000kg. The swivel will accept wires and draw ropes up to 24mm diameter. Dimensions: 60mm x 220mm.



PART NO.	DESCRIPTION	PRICE
S03-6166	A) 12MM DIAMETER ANTI-TORSION SWIVEL	41.48
S03-4750	B) 32MM DIAMETER ANTI-TORSION SWIVEL	64.61
S03-4751	C) 45MM DIAMETER ANTI-TORSION SWIVEL	121.53
S03-4752	D) 60MM DIAMETER ANTI-TORSION SWIVEL	229.30

CONNECTOR SWIVEL NO. 1 (32MM)

For use with Grips Cable Single Eye and Rope Cabling No 4.
Length 178mm. Diameter 32mm.



Ref: 112795.

PART NO.	DESCRIPTION	PRICE
S83-0937	CONNECTOR SWIVEL NO. 1 (32MM)	134.21

CONNECTOR FUSED SWIVEL 16MM

A fused swivel connector used to install fibre optic cables in duct and sub ducts. There are 4 fuses available depending on the cable manufacturers pulling specification covering 1KN (1000kg pulling force), 1.5 KN (1500kg pulling force), 2.0KN (2000kg pulling force) and 3.0KN (3000kg pulling force)

This 16mm diameter fused swivel is fitted as standard with a 1.5 NM fuse which will break when approximately 1500kg pulling force is applied. A suitable for general fibre optic cable pulling applications.



PART NO.	DESCRIPTION	PRICE
S83-1840	CONNECTOR FUSED SWIVEL 16MM	37.50
S83-1841	1 KN CONNECTOR SWIVEL FUSES (1000KG PULLING FORCE) PKT 10	29.95
S83-1843	1.5 KN CONNECTOR SWIVEL FUSES (1500KG PULLING FORCE) PKT 10	29.95
S83-1844	2.0 KN CONNECTOR SWIVEL FUSES (2000KG PULLING FORCE) PKT 10	29.95
S83-1845	3.0 KN CONNECTOR SWIVEL FUSES (3000KG PULLING FORCE) PKT 10	29.95

CONNECTOR FUSED SWIVEL 22MM

A fused swivel connector used to install fibre optic cables in duct and sub ducts. There are 4 fuses available depending on the cable manufacturers pulling specification covering 1KN (1000kg pulling force), 1.5 KN (1500kg pulling force), 2.0KN (2000kg pulling force) and 3.0KN (3000kg pulling force)

This 22mm diameter fused swivel is fitted as standard with a 1.5 NM fuse which will break when approximately 1500kg pulling force is applied. A suitable for general fibre optic cable pulling applications.
Ref: 127404



PART NO.	DESCRIPTION	PRICE
S83-1846	CONNECTOR FUSED SWIVEL 22MM	44.94
S83-1841	1 KN CONNECTOR SWIVEL FUSES (1000KG PULLING FORCE) PKT 10	29.95
S83-1843	1.5 KN CONNECTOR SWIVEL FUSES (1500KG PULLING FORCE) PKT 10	29.95
S83-1844	2.0 KN CONNECTOR SWIVEL FUSES (2000KG PULLING FORCE) PKT 10	29.95
S83-1845	3.0 KN CONNECTOR SWIVEL FUSES (3000KG PULLING FORCE) PKT 10	29.95

SUBDUCT PULLING EYE (WUD CARROT) - (GRIPS THREADED)

Designed to install polyethylene ducting (sub duct) using a 100mm long screw-in tapered thread which will grip ducts with an inner diameter of 10 to 22mm. These 'grips threaded' have cutting edges which actually make a thread in the bore of the ducting, similar to using a tap to cut a thread in steel. To ensure a reliable grip we recommend 7 or 8 full threads of contact.

The Mills WUD Carrot has a 'Type A' male thread for direct fitting to the female end of the No1 and No2 Ferret Duct Rods (S83-1446 and S83-0711). These subduct 'pulling eyes' are manufactured from hardened steel and have been zinc plated to provide corrosion resistance.



PART NO.	DESCRIPTION	PRICE
S13-1825	SUBDUCT PULLING EYE (WUD CARROT)	39.95

MANDREL NYLON

Cylindrical polypropylene mandrels, used to clear any blockage in ducts.



PART NO.	DESCRIPTION	PRICE
S83-0730	MANDREL 43MM - 51MM DUCT	52.92
S83-0731	MANDREL 70MM - 76MM DUCT	55.02
S83-0733	MANDREL 79MM - 92MM DUCT	63.46
S83-0734	MANDREL 83MM - 95MM DUCT	82.05
S83-0735	MANDREL 95MM - 102MM DUCT	77.74

SUBDUCT PULLING SLING

Three or four leg harness for pulling multiples cables or sub-ducts at the same time.



PART NO.	DESCRIPTION	PRICE
S83-4060	SUBDUCT PULLING SLING 3 LEG	81.80
S83-3180	SUBDUCT PULLING SLING 4 LEG	81.81

SUBDUCT PULLING EYE WITH CLEVIS (CARROT)

Designed to install polyethylene ducting using a screw-in tapered thread to grip the inner diameter of the duct. The pulling eyes are typically used to install inner duct inside a larger duct and are designed with cutting edges to actually cut a thread in the bore of the ducting, similar using a tap to cut a thread in steel. This helps to ensure a reliable grip requiring just 7 or 8 full threads of contact. With clevis pin and eye to attach draw rope etc. Units are tapered, threaded and zinc plated.



PART NO.	DESCRIPTION	PRICE
S83-9322	SUBDUCT PULLING EYE WITH CLEVIS 24-29MM	37.95
S83-4867	SUBDUCT PULLING EYE WITH CLEVIS 29-37MM	64.76

BRUSH CYLINDRICAL

A brush for clearing the bores of empty ducts of various sizes. This 57mm brush is suitable for ducts of 51mm.



PART NO.	DESCRIPTION	PRICE
S83-0724	BRUSH 57MM (51MM DUCT)	75.3
S83-0726	BRUSH 80MM (76MM DUCT)	87.08
S83-0725	BRUSH 86MM (83MM DUCT)	97.23
S83-0727	BRUSH 95MM (90-92MM DUCT)	98.62
S83-0728	BRUSH 108MM (102MM DUCT)	106.54

GRIPS CABLE - FIBRE OPTIC

A specialist cable grip for small fibre cables. Dual weave design from galvanised wire rope. Used for the installation of fibre optic cables for either overhead or underground applications. Made of galvanised steel.

These cable socks have build in fuses which will break at predetermined force.

Part Number	Cable Size	Break Load	Sock length
S83-1790	2.5-5.6mm	431Kg	455mm
S83-1791	5.6-9.2mm	748Kg	748mm



PART NO.	DESCRIPTION	PRICE
S83-1790	FIBRE OPTIC CABLE GRIP 2.5-5.6MM. 455MM LENGTH. BREAKING LOAD 431 KG	39.65
S83-1791	FIBRE OPTIC CABLE GRIP 5.6-9.2MM. 560MM LENGTH. BREAKING LOAD 748 KG	41.75

GRIPS CABLE SINGLE EYE CLOSED

Consists of wire mesh tube with one pulling eye at one end. These grips are placed over the end of the cable, allowing the drawing in or recovery of cables.

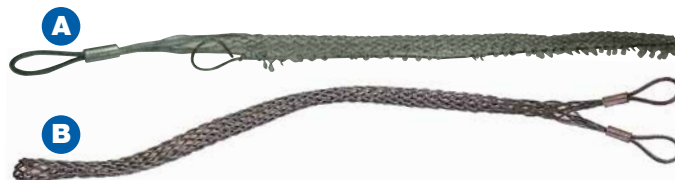
S00-7555 Ref: 126376.
S00-7556 Ref: 126377.
S00-7557 Ref: 126378.
S00-7558 Ref: 126379.
S83-3189 Ref: 126380.
S00-3190 Ref: 126381.



PART NO.	DESCRIPTION	PRICE
S00-7555	GRIP CABLE SINGLE EYE CLOSED 1/4" FOR 6-13MM CABLE	8.04
S00-7556	GRIP CABLE SINGLE EYE CLOSED 1/2" FOR 13-19MM CABLE	9.96
S00-7557	GRIP CABLE SINGLE EYE CLOSED 3/4" FOR 19-25MM CABLE	11.76
S00-7558	GRIP CABLE SINGLE EYE CLOSED 1" FOR 25-38MM CABLE	13.19
S83-3543	GRIP CABLE SINGLE EYE CLOSED 1 1/2" FOR 38-51MM CABLE	18.32
S83-3189	GRIP CABLE SINGLE EYE CLOSED 2" FOR 51-63MM CABLE	23.02
S83-3190	GRIP CABLE SINGLE EYE CLOSED 2 1/2" FOR 63-76MM CABLE	24.75

GRIPS CABLE FLEETING

These fleeting eye cable grips allow the cable to pass fully through them (providing there is no end termination of oversized fittings on it). They can then be positioned anywhere on the cable itself. Common usages include as cable supports, taking up slack in a cable that has already been pulled or for removing underground cables. Available in 4 sizes from 25mm to 76mm



S83-3192 Ref: 126368.
S83-3193 Ref: 126369.
S83-3194 Ref: 126370.
S83-3195 Ref: 126371.
S83-0883 Ref: 126372.
S83-0882 Ref: 126373.
S83-3196 Ref: 126374.
S83-0880 Ref: 126375.

PART NO.	DESCRIPTION	PRICE
S83-3192	A) GRIP FLEETING SINGLE EYE SPLIT 1" FOR 25-38MM CABLE	63.27
S83-3193	A) GRIP FLEETING SINGLE EYE SPLIT 1 1/2" FOR 38-51MM CABLE	63.27
S83-3194	A) GRIP FLEETING SINGLE EYE SPLIT 2" FOR 51-63MM CABLE	64.36
S83-3195	A) GRIP FLEETING SINGLE EYE SPLIT 2 1/2" FOR 63-76MM CABLE	64.36
S83-0883	B) GRIP FLEETING DOUBLE EYE OPEN 1" FOR 25-38MM CABLE	23.47
S83-0882	B) GRIP FLEETING DOUBLE EYE OPEN 1 1/2" FOR 38-51MM CABLE	26.72
S83-3196	B) GRIP FLEETING DOUBLE EYE OPEN 2" FOR 51-63MM CABLE	30.96
S83-0880	B) GRIP FLEETING DOUBLE EYE OPEN 2 1/2" FOR 63-76MM CABLE	34.40

GRIPS CABLE RECOVERY

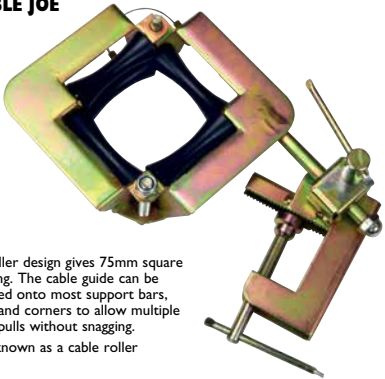
Recovery Cable Grips used to aid the recovery of underground cables, supplied in sizes according to the diameter of the cable.



S83-2631 Ref: 126663.
S83-2633 Ref: 126664.
S83-2635 Ref: 126665.
S83-2637 Ref: 126666.

PART NO.	DESCRIPTION	PRICE
S83-2631	GRIP CABLE RECOVERY 1 (BT SPEC) FOR 31-44MM CABLE	109.38
S83-2633	GRIP CABLE RECOVERY 2 (BT SPEC) FOR 44-57MM CABLE	109.38
S83-2635	GRIP CABLE RECOVERY 3 (BT SPEC) FOR 57-70MM CABLE	114.80
S83-2637	GRIP CABLE RECOVERY 4 (BT SPEC) FOR 70-82MM CABLE	121.20
S83-2630	GRIP CABLE RECOVERY 1 (STD SPEC) FOR 31-44MM CABLE	65.80
S83-2632	GRIP CABLE RECOVERY 2 (STD SPEC) FOR 44-57MM CABLE	70.50
S83-2634	GRIP CABLE RECOVERY 3 (STD SPEC) FOR 57-70MM CABLE	73.85
S83-2636	GRIP CABLE RECOVERY 4 (STD SPEC) FOR 70-82MM CABLE	75.73

CABLE JOE



Six roller design gives 75mm square opening. The cable guide can be clamped onto most support bars, joists and corners to allow multiple cable pulls without snagging. Also known as a cable roller

PART NO.	DESCRIPTION	PRICE
S00-5229	CABLE JOE	141.33

GUIDE CABLING 17A

Used to guide standard cabling ropes and steel wire in or out of duct mouths.
Ref: I27259.



PART NO.	DESCRIPTION	PRICE
S13-1238	GUIDE CABLING 17A	66.63

GUIDE CABLING NO.1

Used to draw cable straight into the duct, duct sizes 89 and 92mm.
Ref: I26400.



PART NO.	DESCRIPTION	PRICE
S83-0770	GUIDE CABLING NO.1	113.16

BELLMOUTHS

Used to prevent damage when drawing cable into ducts. Consists of a two part tubular sleeve which is assembled around the cable whilst in situ.
No.1 Split Bellmouth
For use on 83mm ducting.
No. 2 Split Bellmouth
For use on 90/92mm ducting.



PART NO.	DESCRIPTION	PRICE
S00-1240	NO.1 SPLIT BELLMOUTH	34.95
S00-1241	NO. 2 SPLIT BELLMOUTH	35.95

ROLLER ROPE GUIDING SURFACE

Used to guide draw ropes and cabling ropes out of joint boxes avoiding fraying to the rope. The unit comprises an aluminium roller mounted on a steel frame.
Height: 150mm.
Width: 152mm.
Length: 254mm.
Weight: 4kgs.
Ref: I22690.



PART NO.	DESCRIPTION	PRICE
S13-1237	ROLLER ROPE GUIDING SURFACE	39.95

GUIDE CABLING NO.2

Used to draw cable into the duct at an angle, the angular deviation to be no more than 30 degrees.
Ref: I26401.



PART NO.	DESCRIPTION	PRICE
S83-0771	GUIDE CABLING NO.2	148.24

STRAIGHT CABLE ROLLER GUIDE

A compact cable roller for use in narrow trenches and confined areas. The unit consists of a heavy duty frame and galvanised steel roller which tapers from 110mm to 75mm and has a width of 170mm.



The footprint of the stand is 300mm x 240mm x 250mm.
Weight: 4.1kg.
Dimensions: 300 x 240 x 250mm.

PART NO.	DESCRIPTION	PRICE
S03-6611	STRAIGHT CABLE ROLLER GUIDE	25.36

CORNER CABLE ROLLER GUIDE

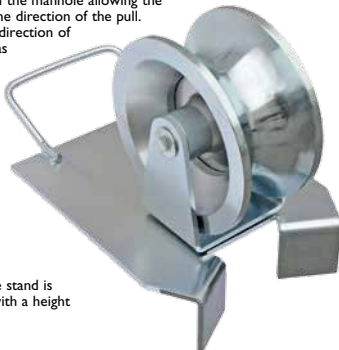
A heavy duty cable roller for pulling the heaviest cables around difficult corners. The unit consists of a heavy duty frame with two vertical and one horizontal galvanised steel rollers which taper from 110mm to 75mm and have a width of 185mm.
The footprint of the stand is: 550mm x 340mm x 370mm.
Weight: 14kg.
Corner cable rolling guides can be linked together with stake pins provided to form a continuous corner roller system.



PART NO.	DESCRIPTION	PRICE
S03-6612	CORNER CABLE ROLLER GUIDE	79.95

SWIVELLING EDGE ROLLER NO.2

A heavy duty cable roller designed to provide an even pull at the corner of the manhole allowing the roller to swivel in the direction of the pull. Unit swivels to the direction of the pull. The unit has a galvanised steel roller which tapers from 130 to 90mm and has a width of 75mm.

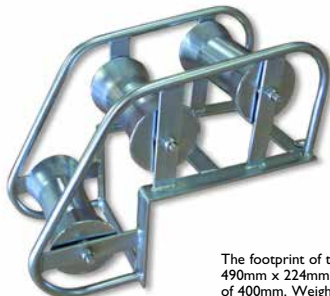


The footprint of the stand is 300mm x 220mm with a height of 245mm.
Weight: 6kg.

PART NO.	DESCRIPTION	PRICE
S03-4753	SWIVELLING EDGE ROLLER NO.2	125.69

CURVED MANHOLE LEAD CABLE GUIDE

A heavy duty cable roller for placing at the leading edge of the manhole or pit entrance. The unit consist of three galvanised steel rollers which taper from 107mm to 79mm and have a width of 185mm.



The footprint of the stand is 490mm x 224mm with a height of 400mm. Weight: 9kg.

PART NO.	DESCRIPTION	PRICE
S03-4755	CURVED MANHOLE LEAD CABLE GUIDE	110.77

SWIVELLING EDGE ROLLER NO.1

A heavy duty cable roller designed to provide an even pull at the corner of the manhole allowing the roller to swivel in the direction of the pull. The unit swivels to the direction of the pull. It has a galvanised steel roller which tapers from 107 to 79mm and has a width of 127mm.



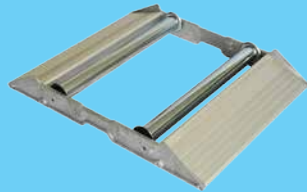
The footprint of the stand is 300mm x 245mm with a height of 150mm.
Weight: 6kg.

PART NO.	DESCRIPTION	PRICE
S03-4754	SWIVELLING EDGE ROLLER NO.1	79.23

See our Cable Handling section

- Cable Roller Stands & Rails
- Cable Drum Dispensers
- Cable Drum Jacks

VISIT OUR WEBSITE
millsltd.com



GUIDE ROD FLEXIBLE 3

A dual purpose flexible steel tube 2.9m length with a 38mm diameter bore, used to guide Rods Duct 3 to and from a rodding machine to the duct mouth. Used with Clamp Guide 2A to secure in a joint box and Guide Rod Flexible 4 and Clamp 13A to extend length.
Ref: 126772.



PART NO.	DESCRIPTION	PRICE
S83-0987	GUIDE ROD FLEXIBLE 3	169.95

GUIDE ROD FLEXIBLE 4

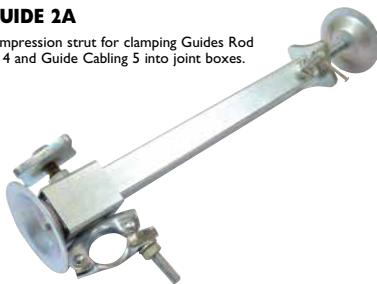
A flexible steel tube 2.9m long with a 38mm diameter bore, used with Clamp 13A to extend the length of Guide Rod Flexible 3
Ref: 126704.



PART NO.	DESCRIPTION	PRICE
S83-2646	GUIDE ROD FLEXIBLE 4	179.95

CLAMP GUIDE 2A

Extendible compression strut for clamping Guides Rod flexible 3 and 4 and Guide Cabling 5 into joint boxes.
Ref: 126481.



PART NO.	DESCRIPTION	PRICE
S83-0767	CLAMP GUIDE 2A	49.95

SHACKLE NO.1

Large bow shaped shackle with a pin diameter 1", used for general purpose lifting & pulling, SWL 2 tons.
Ref: 116381.



PART NO.	DESCRIPTION	PRICE
S83-3200	SHACKLE NO.1	49.95

SHACKLE NO.2

Large bow shaped shackle with a pin diameter 1 3/8", used for general purpose lifting & pulling, SWL 4 tons.
Ref: 116382.



PART NO.	DESCRIPTION	PRICE
S83-3201	SHACKLE NO.2	49.95

CABLE WINCHES

SEE OUR WEBSITE
millsld.com



ROPE CABLING NO. 1

Pre-stretched cabling rope, used on self tailing winch systems. Not to be used on hand tailed winches.
10mm diameter x 250m in length.
BT spec: MA300C
Construction: 3 strand, pre stretched.
Nominal Diameter: 10mm
MBL: 20.6kN (2100 kg)
Material: Polyester
Ref: 126405.



PART NO.	DESCRIPTION	PRICE
S83-0786	ROPE CABLING NO. 1	355.58

ROPE CABLING NO.4

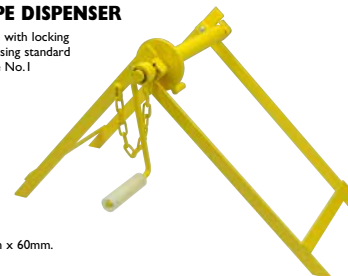
Low stretch rope with an eye splice at each end, used for underground cabling work.
BT spec: MA301A
Construction: 3 strand para-aramid core, 16 plait polyester cover, coated to protect and improve friction for use on capstan winches.
Nominal Diameter: 12mm
MBL (spliced): 58.8kN (6000 kg)
S83-0785 Ref: 126975.
S83-3187 Ref: 126974.



PART NO.	DESCRIPTION	PRICE
S83-3187	ROPE CABLING NO. 4 - 100M	525.26
S83-0785	ROPE CABLING NO. 4 - 200M	1148.60
S83-3188	ROPE CABLING NO. 4 - 500M	2626.31

DRAWROPE DISPENSER

A specialist stand with locking handle for dispensing standard 6mm Draw Rope No.1 from 500m reels.
Ref: 126336.



Dimensions:
530mm x 280mm x 60mm.
Weight: 4.7kg.

PART NO.	DESCRIPTION	PRICE
S00-1239	DRAWROPE DISPENSER	24.95

DRAWROPE NO.1

500m drum of 6mm diameter drawrope.
The drawrope is used for underground cabling operations.
It is usually placed in an empty duct when the duct is laid and stays there for a long time until being used to pull a cable through.



PART NO.	DESCRIPTION	PRICE
S00-1739	DRAWROPE NO.1	24.95

SLICK-LINE

A 6,600m drum of 8kN rope, used in sub-duct installations.



PART NO.	DESCRIPTION	PRICE
S83-2700	SLICK-LINE	1,428.00

SPLICING FID

Used to splice ropes cabling up to a max diameter of 14mm - overall length 175mm.



PART NO.	DESCRIPTION	PRICE
S83-0942	SPLICING FID	8.46

FIBRE BLOWING MACHINES

AVAILABLE FOR SALES OR HIRE



Call our sales dept for further details on 0208 833 2626

A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER

24 Inch Universal Cable Reel Stand - Suits drums up to 600mm diameter, 500mm width and weight of 100kg.
Dimensions:
780 x 750 x 180mm.
Weight: 10kg.



B) MILLS CABLE DRUM CONES FOR CABLE A FRAME

A pair of tapered cones designed to be used in conjunction with the S13-1200 (Formerly S00-1200) Mills Cable A Frame, allowing smooth dispensing of cable from single or multiple cable drums.
The cones are tapered to accept reels with spindle bores from 25mm to 120mm.
In addition, multiple pairs of cones can be 'back to backed' to allow more than one reel to be dispensed.
The cones have quick turn toggle clamps which can be easily adjusted to accept reel widths of up to 500mm.



PART NO.	DESCRIPTION	PRICE
S13-1200	A) MILLS 24" CABLE A FRAME DRUM STAND DISPENSER	31.00
S13-0464	B) MILLS CABLE DRUM CONES FOR CABLE A FRAME	49.95

LUBRICANT CABLE 2A (LUBADUK LD1)

Specialist cable lubricant designed for the telecommunication industry containing microspheres which resemble tiny ball bearings and can effectively reduce pulling tension by as much as 50% less than with other lubricants. Supplied in 20 Litre Containers.



PART NO.	DESCRIPTION	PRICE
S83-2665	LUBRICANT CABLE 2A (LUBADUK LD1)	77.33

TECHLUBE HD

Specially designed for heavy cables and difficult cable pulls. Provides superior friction reduction between cable and all forms of conduit, including multiple concrete duct. Supplied in 20 Litre Containers.



PART NO.	DESCRIPTION	PRICE
S83-2667	TECHLUBE HD	72.50

PUMP LUBRICANT 2A

Pump used for applying cable lubricants. Fits standard 18.9 litre drum. Supplied with 5m clear, plastic hose. Ref: 127388.



PART NO.	DESCRIPTION	PRICE
S83-0709	PUMP LUBRICANT 2A	225.92

LUBRICANT CABLE (TECHLUBE MULTI LD2)

A standard cable lubricant and economy version of S83-2665 Lubricant Cable 2A. The general purpose slow-drying, water-based gel lubricant for friction reduction in underground cable placing operations. Supplied in 20 Litre Containers.



PART NO.	DESCRIPTION	PRICE
C00-1564	LUBRICANT CABLE (TECHLUBE MULTI LD2)	46.67

TECHLUBE FO

Techlube FO cable lubricant is a water-based underground cable installation lubricant for fibre optic cable pulling operations. It was engineered to meet the special requirements of pulling inner duct (sub duct), communications, and fibre optic cables. Supplied in 20 Litre Containers.



PART NO.	DESCRIPTION	PRICE
S83-2666	TECHLUBE FO	66.92

Easy Lube Steel Bell Mouth

Coming Soon to mills ltd.com

POLYWATER® PRELUBE 2000™ CABLE BLOWING LUBRICANT 0.95L

Ideal for blowing cables and relining ducts. Polywater® Prelube 2000™ reduces frictional drag during the blowing of outside plant cable into duct. It increases the length of cable that can be blown in a single shot. Prelube 2000™ can also be used to blow in the hollow microtubes intended to hold future microcables.

Over the last decade, Prelube 2000™ has been proven in the blowing of tens of thousands of kilometers of cable in over 20 countries on a variety of cable blowing machines.

- Cable blowing lube for air-assisted fibre optic cable installations.
- Compatible with cable jackets.
- Approved & recommended by numerous blowing equipment manufacturers.
- Increases blowing distance with lower friction.



PART NO.	DESCRIPTION	PRICE
S83-6675	PRELUBE 2000™ CABLE BLOWING LUBRICANT 0.95L	9.25
S83-1817	PRELUBE 2000™ CABLE BLOWING LUBRICANT 3.8L	33.57

POLYWATER® F LUBRICANT 3.8L

Polywater F Lubricant is a high performance, pourable liquid, cable pulling lubricant recommended for pulling underground fibre optic cable. It is also suitable for pulling coaxial and copper-pair cable. Polywater F is a thick liquid, and is applied by pouring or pumping the lubricant into the duct system. It is a popular lubricant and used in the pulling over 50,000 miles (80,000 km) of fibre optic cable into duct.

- Field proven high performance pourable lubricant
- Easy to pour into innerducts and feeder tubes
- Works on underground fibre optic, coaxial, and copper cable pulls
- Approved and recommended by many cable manufacturers
- Superior friction reduction
- Carries with cable for long distance - wets and clings to cable.
- Compatible with cable jackets
- Clean and non-staining



PART NO.	DESCRIPTION	PRICE
S83-6677	POLYWATER® F LUBRICANT 3.8L	11.74

POLYWATER® SQUEEYKLEEN™ CABLE CLEANING WIPES

Supplied in a dispenser with 300 5" x 6" (127mm x 152mm) premoistened cable cleaning wipes.

New SqueeKleen™ cleans and fans fibre in two wipes without alcohol, saving time & money. No follow-up with alcohol required to get fibres squeaky clean and separated for fast & easy splicing.

SqueeKleen™ reduces chemical odors & harmful vapour concentrations in splice trailers and vaults while being less harsh on hands.

Its unique formulation and specially designed high-performance towelette work to remove pick from the entire surface of loose tube or ribbon fibres, leaving no residue.

SqueeKleen™ helps keep splice equipment clean for better fibre alignment & splice quality. Will not harm acrylate on loose tube cable or Mylar on ribbon fibre.



PART NO.	DESCRIPTION	PRICE
S83-6679	POLYWATER® SQUEEYKLEEN COMMUNICATIONS CLEANER	27.06
S83-1820	POLYWATER® SQUEEYKLEEN GEL FILLED CABLE CLEANER 0.95L	13.34

POLYWATER® PRELUBE 5000™ CABLE BLOWING LUBRICANT 0.25L

Polywater® Prelube 5000™ is more concentrated than the Prelube 2000™. It is intended for blowing microcable into small diameter microtubes. The improved chemistry allows this product to spread further and lower friction at extremely low coating levels. The lower viscosity allows practical application into the microtubes.

- Microfibres/Microduct applications.
- Cable blowing lubricant for air assisted installations.
- Compatible with micro cable plastic jackets.
- Reduces friction, drag, and increases blowing length

Polywater® Prelube 5000™ is easy to use. It can be squeezed into the small diameter microducts.

It works at extremely low coating levels. It coats further and more effectively than conventional blowing lubricants.

Polywater® Prelube 5000™ is compatible with known microcable plastic jackets. However, it should not be used for resin-coated fibre cables.



PART NO.	DESCRIPTION	PRICE
S83-6676	PRELUBE 5000™ CABLE BLOWING LUBRICANT 0.25L	13.49
S83-1665	PRELUBE 5000™ CABLE BLOWING LUBRICANT 0.48L	24.75

POLYWATER® FTTX LUBRICANT 0.95L

Polywater® FTTx Fibre Lubricant makes the installation of fibre drops easy. The lubricant is concentrated, only a thin film is required for immediate tension reduction that lasts even as the lubricant dries. Spray or wipe the cable or conduit. Quick and easy to use without mess or excess lubricant.

- Perfect for Fibre Optic Drops
- Non-Staining, Quick Clean-Up
- Easy Application with Spray
- Lubricates with Very Thin Film, Performs After Drying
- Compatible with Common Cable Jackets Including Polyethylene

FTTx Lubricant works even after it has dried. The residue is a thin, slippery film that retains lubricity for months after use.



PART NO.	DESCRIPTION	PRICE
S83-6678	POLYWATER® FTTX LUBRICANT 0.95L	9.46

POLYWATER® AQUAKLEEN™ FIBRE CLEANER 60ML

For cleaning ferrules, bulkheads and fibre endfaces.

AquaKleen™ Fibre Cleaner is formulated for cleaning fibre-optic cables and endfaces. Its excellent wetting reaches precision parts to lift dust, buffer gel, lint, finger prints, and oils.

AquaKleen™ dissipates static to remove surface charges so that the surface is less likely to be re-contaminated.

AquaKleen™ Fibre Cleaner contains innovative, water-based technology. A special blend of 94% ultra-pure deionized water with proprietary solvents; it does not leave a residue.

Supplied in a squeeze bottle with dropper tip.

- Eco Friendly, Non-Toxic
- Water-based
- No Residue
- Excellent Solvency
- Non-Flammable
- Easy to Transport



PART NO.	DESCRIPTION	PRICE
S83-6680	POLYWATER® AQUAKLEEN™ FIBRE CLEANER 60ML	9.87
S83-1822	POLYWATER® AQUAKLEEN™ FIBRE CLEANER 0.95L	22.97

CABLE BEARER WALL TYPE

For supporting cables in manholes and joint boxes. The type numbers indicate the number of brackets which the bearings will carry.



S83-3203 Ref: 070281.
S83-1058 Ref: 070282.
S83-3204 Ref: 070283.
S83-3205 Ref: 070284.
S83-3206 Ref: 070285.
S83-3207 Ref: 070286.
S83-3208 Ref: 070287.

PART NO.	DESCRIPTION	PRICE
S83-3203	CABLE BEARER WALL TYPE 1 - 178MM	2.59
S83-1058	CABLE BEARER WALL TYPE 2 - 278MM	4.61
S83-3204	CABLE BEARER WALL TYPE 3 - 508MM	5.99
S83-3205	CABLE BEARER WALL TYPE 5 - 813MM	8.39
S83-3206	CABLE BEARER WALL TYPE 8 - 1270MM	10.25
S83-3207	CABLE BEARER WALL TYPE 10 - 1575MM	19.99
S83-3208	CABLE BEARER WALL TYPE 12 - 1880MM	27.99

STEP MANHOLE NO.1

For use in reinforced concrete or brickwork manholes.



PART NO.	DESCRIPTION	PRICE
S83-3216	STEP MANHOLE NO.1	9.80

BOLT FOUNDATION INDENTED NO.1

Iron foundation bolt for Cabinets Cross Connection.



PART NO.	DESCRIPTION	PRICE
S83-3218	BOLT FOUNDATION INDENTED NO.1	1.99

PIN LOCKING CABLE BEARER

For fixing Brackets Cable Bearer to Cable Bearer Wall Type.
Ref: 070858.



PART NO.	DESCRIPTION	PRICE
S83-3215	PIN LOCKING CABLE BEARER	0.48

BRACKET CABLE BEARER

Used with Cable Bearer Wall Type and Pins Locking. The type numbers indicate the effective length in inches.



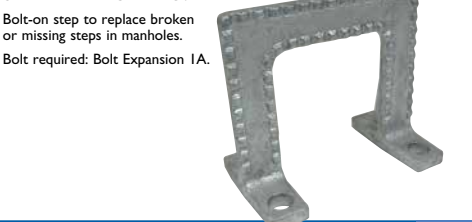
S83-3209 Ref: 070210.
S83-3210 Ref: 070211.
S83-3211 Ref: 070212.
S83-3212 Ref: 070213.
S83-3213 Ref: 070214.
S83-3214 Ref: 070215.

PART NO.	DESCRIPTION	PRICE
S83-3209	BRACKET CABLE BEARER TYPE 3-150MM	1.98
S83-3210	BRACKET CABLE BEARER TYPE 5-170MM	2.30
S83-3211	BRACKET CABLE BEARER TYPE 8-250MM	3.90
S83-3212	BRACKET CABLE BEARER TYPE 12-343MM	4.70
S83-3213	BRACKET CABLE BEARER TYPE 18-495MM	8.69
S83-3214	BRACKET CABLE BEARER TYPE 24-648MM	10.69

STEP MANHOLE NO.2

Bolt-on step to replace broken or missing steps in manholes.

Bolt required: Bolt Expansion 1A.



PART NO.	DESCRIPTION	PRICE
S83-3217	STEP MANHOLE NO.2	9.38

BOLT FOUNDATION INDENTED NO.2

For fixing cable bearers in new concrete and brickwork.



PART NO.	DESCRIPTION	PRICE
S83-3219	BOLT FOUNDATION INDENTED NO.2	0.50

IRON ANCHOR 4

For setting in concrete walls of joint chambers to mount cable guides.
Ref: 070724.

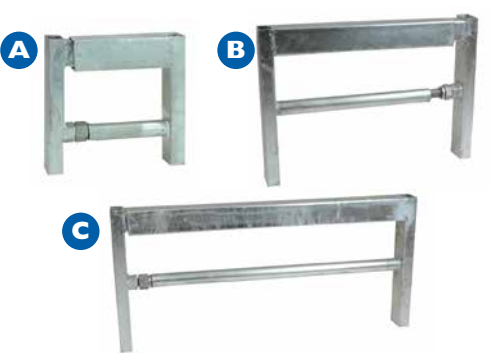


PART NO.	DESCRIPTION	PRICE
S83-3220	IRON ANCHOR 4	9.15

A) MOBRA JUF/2 FOR SMALL BOXES WITH WIDTHS FROM 220 MM TO 300 MM

No-Drill MOBRA chamber mounting bracket for use with S83-0528 MOBRA Chamber Bracket Pivot Arm Medium.

S83-0529 Ref: 088199.



B) MOBRA JUF/4-6 FOR MEDIUM BOXES WITH WIDTHS FROM 410 MM TO 600 MM

No-Drill MOBRA chamber mounting bracket for use with S83-0526 MOBRA Chamber Bracket Pivot Arm Long.

S83-0525 Ref: 066823.

C) MOBRA JUF/10 FOR LARGE BOXES WITH WIDTHS FROM 660 MM TO 850 MM

No-Drill MOBRA chamber mounting bracket for use with S83-0526 MOBRA Chamber Bracket Pivot Arm Long.

S83-0524 Ref: 066822.

PART NO.	DESCRIPTION	PRICE
S83-0529	A) MOBRA JUF/2 FOR SMALL BOXES	17.85
S83-0525	B) MOBRA JUF/4-6 FOR MEDIUM BOXES	16.96
S83-0524	C) MOBRA JUF/10 FOR LARGE BOXES	20.53

A) MOBRA ARM SHORT - STANDING HEIGHT 450MM, CLOSED LENGTH 630MM

MOBRA Chamber Bracket Pivot Arm Medium for Use with S83-0529 MOBRA Small Chamber Bracket JUF/2.

Ref: 066827.



B) MOBRA ARM LONG - STANDING HEIGHT 650MM, CLOSED LENGTH 820MM

MOBRA Chamber Bracket Pivot Arm Long for use with S83-0525 MOBRA JUF/4-6 For Medium Boxes with widths from 410 mm to 600 mm and S83-0524 MOBRA JUF/10 For Large Boxes with widths from 660 mm to 850 mm.

Ref: 066826.

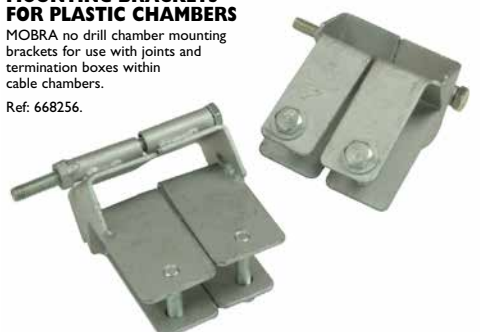


PART NO.	DESCRIPTION	PRICE
S83-0528	A) MOBRA ARM SHORT	14.28
S83-0526	B) MOBRA ARM LONG	15.26

MOBRA PAIR OF MOUNTING BRACKETS FOR PLASTIC CHAMBERS

MOBRA no drill chamber mounting brackets for use with joints and termination boxes within cable chambers.

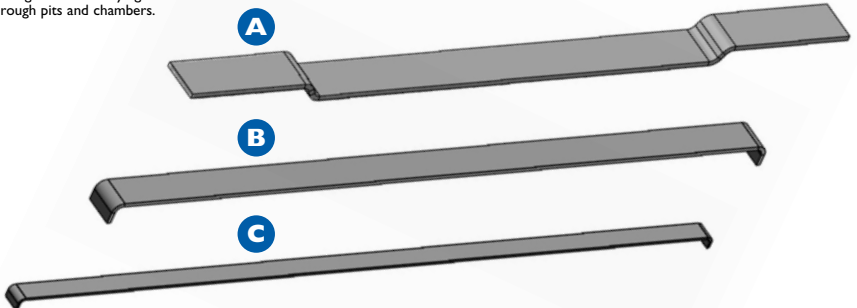
Ref: 668256.



PART NO.	DESCRIPTION	PRICE
S83-0527	MOUNTING BRACKETS FOR PLASTIC CHAMBERS	8.93

CABLE MANAGEMENT BAR

Cable management bar designed to assist with the management and tidying of cable running through pits and chambers.

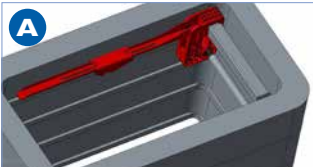


PART NO.	DESCRIPTION	PRICE
S83-1488	A) CABLE MANAGEMENT BAR. LENGTH 838MM	10.56
S83-1489	B) CABLE MANAGEMENT BAR. LENGTH 1000MM	16.80
S83-1490	C) CABLE MANAGEMENT BAR. LENGTH 1980MM	29.04

A) PRYSMIAN HALF SIZE MOBRA ARM

Prysmian Half Size Mobra Arm to UMJ,CMJ,MMJ Enclosure. The arm is designed to be used in JUF/2 Chambers and used with a JUF/2 Mobra Chamber Mounting Bracket (S83-0129).

Overall Length 440mm x width 60mm.

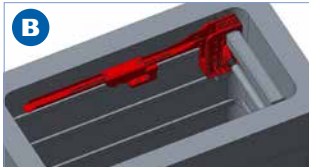


Prysmian Group

B) PRYSMIAN FULL SIZE MOBRA ARM

Prysmian Full Size Mobra Arm to UMJ,CMJ,MMJ Enclosure. The arm is designed to be used in JUF/4/6/10 Chambers and used with a JUF/4/6 Mobra Chamber Mounting Bracket (S83-0525) and JUF/10 Mobra Chamber Mounting Bracket (S83-0524).

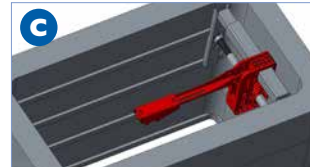
Overall Length 810mm x width 60mm.



C) PRYSMIAN LMJ MOBRA MOUNTING KIT

Prysmian LMJ Mobra Mounting Kit- A kit for mounting the LMJ enclosure. The arm is designed to be used in JUF/4/6/10 Chambers and used with a JUF/4/6 Mobra Chamber Mounting Bracket (S83-0525) and JUF/10 Mobra Chamber Mounting Bracket (S83-0524).

Overall Length 810mm x width 60mm.



PART NO.	DESCRIPTION	PRICE
XJTSC03265	A) UMJ/CMJ/MMJ HALF SIZE MOUNTING BRACKET	47.50
XJTSC02405	B) UMJ/CMJ/MMJ FULL SIZE MOUNTING BRACKET	52.50
XJTSC03203	C) LMJ MOBRA MOUNTING KIT	89.95

MOBRA MOUNTING BRACKETS FOR COMMScope TENIO JOINT CLOSURES



See **P65** for Tenio closures

COMMScope®

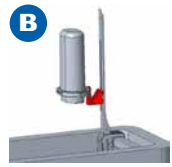
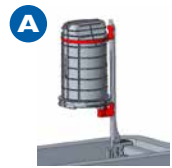
PRYSMIAN UNIVERSAL MOBRA MOUNTING BRACKETS FOR PRYSMIAN JOINT CLOSURES

A) XJTSC02953 Prysmian LMJ Universal MOBRA Arm Mounting Kit

A universal bracket designed to allow Prysmian LMJ enclosures to be mounted on a standard MOBRA Arm (S83-0526) LMJ not to be used in a JUF2 chamber.

B) XJTSC03286 Prysmian UMJ/CMJ/MMJ Universal MOBRA Arm Mounting Kit

A universal bracket designed to allow Prysmian UMJ, CMJ and MMJ enclosures to be mounted on a standard MOBRA Arm (S83-0528 and S83-0526)



PART NO.	DESCRIPTION	RING SALES FOR SPECIAL PRICES OR VISIT mills Ltd
XJTSC02953	A) PRYSMIAN LMJ UNIVERSAL MOBRA ARM MOUNTING KIT	
XJTSC03286	B) PRYSMIAN UMJ/CMJ/MMJ UNIVERSAL MOBRA ARM MOUNTING KIT	

COMING SOON are a range of **Prysmian Universal Mobra Arm Mounting Brackets** suitable for mounting the Prysmian Multi-Function Joint range to standard (non-Prysmian) Mobra arms.

See **P66-67** for more Prysmian products

Prysmian Group



Prysmian LMJ
Large Multi-Function Joint - Medium Cap



Prysmian CMJ
Compact Multi-Function Joint



Prysmian MMJ
Medium Multi-Function Joint



Prysmian UMJ
Ultra Compact Multi-Function Joint

Ring sales for **ordering guide** or visit: www.millsLtd.com

CUBIS STAKKABOX™ QUAD MODULAR PREFORMED STACKABLE ACCESS CHAMBER SYSTEM

The STAKKABOX™ Quad is a range of modular and structural preformed access chambers, supplied by Cubis.

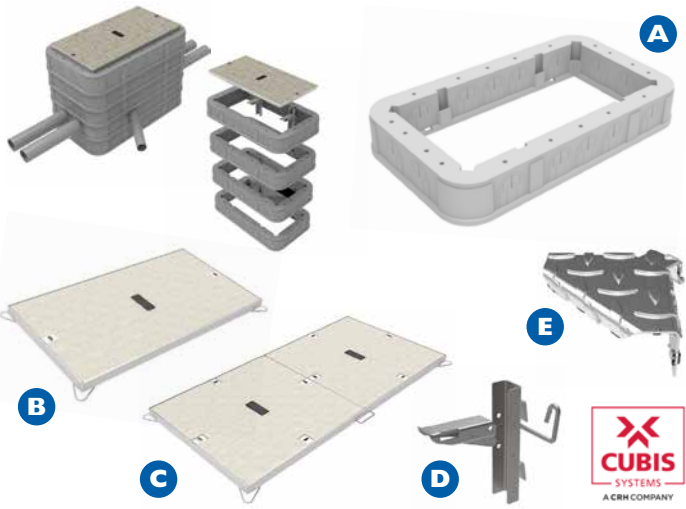
The Quad is the only modular access chamber approved for use on Openreach networks.

Chambers are built to required depth by stacking 150mm sections on top of a concrete or Type I base to build the chamber to the desired depth.

No specialist equipment or plant is required in order to install the chamber and there is no need for specialist box builders.

Cable management and steps are fitted by dropping the accessories into pre-formed pockets. These allow accessories to be retrofitted after installation without mechanical fixing.

B125 access covers fit on the top, to complete the underground network access system.



PART NO.	DESCRIPTION	PRICE
S83-0677	A) STAKKABOX QUAD RISER SECTION 915 X 445MM CLEAR OPENING 150MM DEEP JMF 104	80.00
S83-0678	A) STAKKABOX QUAD RISER SECTION 1310 X 610MM CLEAR OPENING 150MM DEEP JMF 106	124.00
S83-0681	B) FRAME & CONCRETE COVER, 915 X 445 MM B125 LOADING CLASS	116.50
S83-0682	C) FRAME & CONCRETE COVER, 1310 X 610 MM B125 LOADING CLASS	194.50
S83-0683	D) CABLE MANAGEMENT FURNITURE KIT FOR STAKKABOX QUAD	25.70
S83-0684	E) STAKKABOX QUAD GALVANISED DROP IN STEP	12.93

A) CUBIS STAKKABOX™ FORTRESS MODULAR & STRUCTURAL PREFORMED ACCESS CHAMBER SYSTEM

STAKKABOX™ Fortress is a range of modular and structural preformed access chambers, suitable for use in carriageway and footway environments. The Fortress system is moulded in HDPE and possesses excellent strength to weight properties.



B) CUBIS STAKKABOX™ ULTIMA FLEXIBLE ACCESS CHAMBER SYSTEM

STAKKABOX™ ULTIMA offers a flexible access chamber system with no compromise on strength. Due to the design and the material used (GRP), ULTIMA should be used anywhere where sidewall loading is a concern, such as alongside highways or railway tracks.



Ring sales for **ordering guide** on **0208 833 2626**

JOINT BOXES

Prefabricated glass reinforced polyester joint boxes. These underground jointing enclosures offers significant advantages over the more traditional methods of forming a jointing enclosure.

Lightweight yet immensely strong and rigid having no seams or welds, they are totally rot proof and will not support microbiological growth.

Typical uses include:- Telephone connection systems, connection of lighting standards to mains, traffic light connections, underground water metre housing, cable television connections, loop connections and cable communications.

- Joint box chambers moulded from first quality glass fibre reinforced polyester moulding compounds
- Manufactured under a system of rigidly applied quality control to ensure optimum, fully cured mouldings
- Made to ensure trouble free installations
- Available for installation in driveways, paths etc
- Joint boxes cover sold separately

Internal dimensions:
A) Joint Box 23: 200 x 450 x 450mm deep.
B) Joint Box 26: 720 x 250 x 570mm deep.

PART NO.	DESCRIPTION	PRICE
S83-2795	A) JOINT BOX 23	39.95
S83-2797	B) JOINT BOX 26	POA

FRAME & COVER CARRIAGEWAYS

These are a special order item. Please contact sales for a quote.

Frame and Cover Carriageway ductile iron manhole covers and frames. Manufactured to relevant BS standard.

- A) Frame & Cover Carriageway 1: 600 x 600mm clear opening.
B) Frame & Cover Carriageway 2: 1200 x 675mm clear opening.
C) Frame & Cover Carriageway 3: 1800 x 675mm clear opening.



PART NO.	DESCRIPTION	PRICE
S83-2778	A) FRAME & COVER CARRIAGEWAY 1	39.95
S83-2779	B) FRAME & COVER CARRIAGEWAY 2	POA
S83-2780	C) FRAME & COVER CARRIAGEWAY 3	POA

COVER JOINT BOX 23

Cast iron cover for Joint Box 23.



PART NO.	DESCRIPTION	PRICE
S83-2796	COVER JOINT BOX 23	45.45

FRAME & COVER FOOTWAY NO.2

Steel with infilled concrete cover for joint box 26.



PART NO.	DESCRIPTION	PRICE
S83-3695	FRAME & COVER FOOTWAY NO.2	101.75

GRATING SUMP 2A

Grating Sump 2A. Used in Manholes and joint boxes, this is a 250 x 250mm PVC drainage sump.

Ref: 094956.



PART NO.	DESCRIPTION	PRICE
S83-2781	GRATING SUMP 2A	4.85

A) EYEBOLT EXPANDING 1A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M6 thread. This is the preferred method of attaching a dropwire to brickwork at end users' premises. Overhead single point fixing bolt. Ring size 12mm. Required hole size 12mm x 50mm. Ref: 016445.

B) EYEBOLT EXPANDING 2A

A dropwire fixing consisting of a Zinc plated steel eyebolt with an M10 thread. This is the preferred method of attaching a dropwire to the end users' premises, where the walls are rendered. Ring size: 14mm. Required Hole size: 16mm diameter x 95mm depth. Box 20. Ref: 016442 / 021689 / 023041.

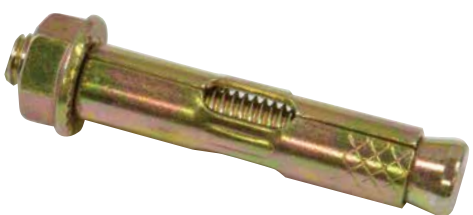
C) M8 EYEBOLT

Eyebolt M8 x 95mm for use with Catenary Wire Kits (R02-7028) and associated accessories. Provides temporary or permanent anchorage in stone, concrete or brickwork. Supplied with shield, washer and hex nut.

PART NO.	DESCRIPTION	PRICE
S83-1853	A) EYEBOLT EXPANDING 1A PKT 20	10.25
S83-0901	B) EYEBOLT EXPANDING 2A PKT 20	14.30
R02-7024	C) M8 EYEBOLT (SINGLE)	3.21

STUD EXPANDING 1A

Zinc plated steel stud with an M6 thread (similar to Eyebolt Expanding 1A). Used when securing S83-2724 Bracket 32 and S83-9215 Wall Plate 5A to brickwork. Designed for use in an 8mm diameter hole. Ref: 016303.



PART NO.	DESCRIPTION	PRICE
S83-1854	STUD EXPANDING 1A PKT 20	4.95

STAPLES GALVANISED

A) Galvanised steel staple, "U" shaped approximately 40mm wide and used to retain single strand suspension wire to poles when making a termination.

Ref: 16270.

B) Galvanised steel staple, "U" shaped approximately 50mm wide. Used to retain multi strand suspension wire and CAC's to poles when making a termination.

Ref: 016271.

PART NO.	DESCRIPTION	PRICE
S83-2857	40MM STAPLE PK 1KG	8.74
S83-2858	65MM STAPLE PK 1KG	8.01

A) BOLT EXPANDING 1A

Bolt Expansion 1A. Used in joint boxes and manholes to fix Cable Bearers and Steps Manhole No.2. Ref: 071906.

B) BOLT EXPANDING 2A

M10 x 90mm (Overall Length 105mm) expansion bolt with a 30mm diameter washer requiring a 16mm hole to be drilled into concrete or brickwork - supplied in boxes of 25. Ref: 021689.

PART NO.	DESCRIPTION	PRICE
S83-2869	A) BOLT EXPANDING 1A (SINGLE)	0.47
S83-1773	B) BOLT EXPANDING 2A BOX OF 25	20.95

CRANKED COMBINATION SPANNERS

Combination Spanners- cranked at 20 degree to prevent knuckles from rubbing on brickwork and general masonry

A) 10mm combination spanner for installing Bolt Expansion 1a, Eyebolt Expanding 1a and other 10mm hexagon headed fixing.

B) 17mm combination spanner for installing Bolt Expansion 2a, Eyebolt Expanding 2a and other 17mm hexagon headed fixing.

H72-1772 Ref: 129393/141751.



PART NO.	DESCRIPTION	PRICE
H72-1771	A) 10MM COMBINATION SPANNER	1.56
H72-1772	B) 17MM COMBINATION SPANNER	2.64

A) COUNTERSUNK POLE FIXING SCREW

Pozidrive zinc plated countersunk wood screw with twin thread profile for fast installation. Supplied in boxes of 200.

B) PANHEAD POLE FIXING SCREW

Pozidrive zinc plated panhead wood screw with twin thread profile for fast installation. Supplied in boxes of 200.

PART NO.	DESCRIPTION	PRICE
S83-0859	A) NO.12 X 1" COUNTERSUNK POZI WOOD SCREW PK 200	3.75
S83-2927	A) NO.12 X 1.1/2" COUNTERSUNK POZI WOOD SCREW PK 200	5.07
S83-2928	A) NO.12 X 2" COUNTERSUNK POZI WOOD SCREW PK 200	8.30
R02-1662	A) NO.12 X 2.1/2" COUNTERSUNK POZI WOOD SCREW PK 200	8.65
S83-1823	A) NO.12 X 3" COUNTERSUNK POZI WOOD SCREW PK 200	8.96
R07-1747	B) NO.12 X 1" PANHEAD POZI WOOD SCREW PK 200	9.95
R07-1748	B) NO.12 X 1.1/2" PANHEAD POZI WOOD SCREW PK 200	13.49
R07-1749	B) NO.12 X 2" PANHEAD POZI WOOD SCREW PK 200	14.40

FTTP CABLE ENTRY, CAPPING AND COVERS

A range of Openreach™ approved products to bring fibre cabling into the premises whether it is a domestic or commercial installation. All products are designed to prevent the damage of cables during installation through walls thereby eliminating return to site costs due to fibre breaks.



COVER 101A

Cable entry cover for running service cabling into a house or premises. For use with Capping 25 and Connector Bend No. 4.

Dimensions
105mm x 78mm x 28mm.

Ref: 071987.



PART NO.	DESCRIPTION	PRICE
S83-1775	COVER 101A	2.50

CAPPING 25

PVC Capping to protect service cabling between Connector Bend No 4 and Cover 101A.

Length 500mm.

Ref: 072180.



PART NO.	DESCRIPTION	PRICE
S83-1779	CAPPING 25	3.95

CONNECTOR BEND NO. 4

Connects Duct 102 or Duct 56 to cover 101A on Housing Estates.

Ref: 095056.



PART NO.	DESCRIPTION	PRICE
S83-2759	CONNECTOR BEND NO. 4	4.95

INTERNAL / EXTERNAL CUSTOMER LEAD IN KIT FULL

Designed to control the bend radius, protect the cable and cover the entrance holes where fibre optic cables are put through the walls of customer's premises.

Comprising:
2 x CLI.
1 x Internal Cover White.
1 x External Cover Grey.
1 x 300mm Conduit.



PART NO.	DESCRIPTION	PRICE
S83-1776	INTERNAL / EXTERNAL CUSTOMER LEAD IN KIT FULL	5.95

BLOWN FIBRE EXTERNAL CLI BASE & COVER MINI (GREY)

External cable entry cover with a 30mm bend radius to allow blowing of the fibre after installation. It is for use when a gas block is not required at the customer entry point. It can be used with cable sizes up to 6mm and can be used in conjunction with: S83-1786 D Tube External Capping.

Comprising:
1 x External CLI Cover Mini
1 x External CLI Base Mini
2 x screws.



PART NO.	DESCRIPTION	PRICE
S83-1777	BLOWN FIBRE EXTERNAL CLI BASE & COVER MINI (GREY)	5.95

BLOWN FIBRE EXTERNAL CLI CONNECTOR BEND ADAPTOR

FBT0900 - Blown Fibre External CLI Connector Bend Adaptor.

Adaptor used to connect S83-1786 D Tube External Capping with S83-2759 Connector Bend No.4.



PART NO.	DESCRIPTION	PRICE
S83-1781	BLOWN FIBRE EXTERNAL CLI CONNECTOR BEND ADAPTOR	1.97

D TUBE EXTERNAL CAPPING

D Tube External Capping connects with S83-1777 Blown Fibre External CLI Base & Cover Mini and S83-1781 Blown Fibre External CLI Connector Bend Adaptor.

Length: 500 mm



PART NO.	DESCRIPTION	PRICE
S83-1786	D TUBE EXTERNAL CAPPING	1.95

NEW SITE CAPPING

Capping to protect service cabling between S83-1782 New Site Connector Bend and S83-1775 Cover 101A, S83-1778 Blown Fibre External CLI, XCPSC03029 Prysmian HDB4 Hybrid Drop Box Splice Only, XCPSC03043 Prysmian HDB4 Hybrid Drop Box 2x SC/APC Simplex, XCPSC03044 Prysmian HDB4 Hybrid Drop Box 2x LC/APC Duplex

Ref: 101541.



PART NO.	DESCRIPTION	PRICE
S83-1783	NEW SITE CAPPING	4.95

BLOWN FIBRE EXTERNAL CUSTOMER LEAD IN

Comprising:
1 x External CLI Cover
1 x External CLI Base
4 x screws.

Ref: 061826.



PART NO.	DESCRIPTION	PRICE
S83-1778	BLOWN FIBRE EXTERNAL CUSTOMER LEAD IN	6.95

NEW SITE CONNECTOR BEND

For use outside the premises where cables emerge from underground and can be used to connect with Duct 102 or Duct 56 and S83-1783.

Ref: 101557.



PART NO.	DESCRIPTION	PRICE
S83-1782	NEW SITE CONNECTOR BEND	4.95

KEY 9752 (PAIR)

For medium to heavy non-locking covers, for lifting locking heavy duty Broadstel.



PART NO.	DESCRIPTION	PRICE
S00-1072	KEY 9752 (PAIR)	10.52

KEY JOINT BOX 4

Long handled version of Key Joint Box 2, enabling the user to lift the cover whilst standing up.



PART NO.	DESCRIPTION	PRICE
S13-1071	KEY JOINT BOX 4	22.27

KEY JOINT BOX 5

Similar to Key Joint Box 4, but featuring a hinged arm which positions under the opened pit lid to improve safety. Ref: 129320.



PART NO.	DESCRIPTION	PRICE
S13-4276	KEY JOINT BOX 5	29.56

REPLACEMENT HOOK

Replacement hook for Key Joint Box 2,4 & 5.



PART NO.	DESCRIPTION	PRICE
S13-4427	REPLACEMENT HOOK	4.43

KEY 9758

U shaped key for light duty covers with a 9.5mm key hole size.



PART NO.	DESCRIPTION	PRICE
S00-3031	KEY 9758	3.92

PIT ROLLER BAR

Metal bar used to roll opened pit lids safely into a secure position. Ref: 129274.



PART NO.	DESCRIPTION	PRICE
S13-9030	PIT ROLLER BAR	8.99

REPLACEMENT NUT & BOLT

Replacement nut and bolt set for Key Joint Box 2,4 & 5.



PART NO.	DESCRIPTION	PRICE
S00-3631	REPLACEMENT NUT & BOLT	1.53

KEY JOINT BOX 5M WITH MAGNETIC ARM & CLEANING KEY

The Mills premier pit lifting key, similar to the classic key joint box No 5 but enhanced with integral cleaning tool, quick change hook and magnetic counterbalance arms.

Cleaning Tool- a wedge shaped key for cleaning around covers prior to opening, which neatly screws back into the handle for storage.

Magnetic Counterbalance arms- when in the

closed position the arms are held to the body of the lifter by strong magnetic pads. The arms can be purchased separately and are compatible with Mills Classic No 5 Lifter (S00-4276) and most other manufacturers No 5 lifters. They can be easily retrofitted in minutes.

Quick Change Hook- the No 5M lifter benefits from a quick change forged hook, which can be

easily changed from forward to back position, allowing stubborn covers to be 'cracked'. The hook is secured by a simple tee key. The hook and tee key can be purchased separately and are compatible with Mills Classic No 5 Lifter (S00-4276) and most other manufacturers No 5 lifters. Ref: 129320.

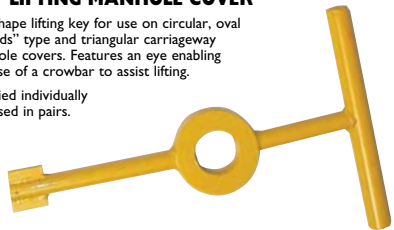


PART NO.	DESCRIPTION	PRICE
S13-1633	A) KEY JOINT BOX 5M WITH MAGNETIC ARM & CLEANING KEY	31.10
S13-1634	B) MAGNETIC COUNTERBALANCE ARM	8.53
S13-1796	C) QUICK CHANGE HOOK	5.99

KEY LIFTING MANHOLE COVER

"T" shape lifting key for use on circular, oval "woods" type and triangular carriageway manhole covers. Features an eye enabling the use of a crowbar to assist lifting.

Supplied individually but used in pairs.

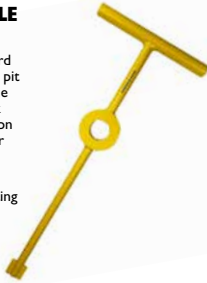


PART NO.	DESCRIPTION	PRICE
S13-3575	KEY LIFTING MANHOLE COVER	17.60

MILLS KEY LIFTING MANHOLE COVER EXTRA LONG

An extended length version of the standard S13-3575 Key Lifting Manhole Cover, this pit key is 65.5cm in overall length to assist the lifting process and reduce the risk of back injury. The T" shape lifting key is for use on circular, oval "Woods" type and triangular carriageway manhole covers.

Features a 45mm eye (internal diameter) enabling the use of a crowbar to assist lifting. Supplied individually but used in pairs. Colour: Yellow.



PART NO.	DESCRIPTION	PRICE
S00-9214	MILLS KEY LIFTING MANHOLE COVER EXTRA LONG	18.60

MILLS KEY INSERTION SAFETY SHIM KISS TOOL

A specialist tool for assisting the lifting of pit covers which have damaged insertion holes. The KISS tool is used in conjunction with S13-4276 Mills Key Joint Box No. 5 Pit Cover Lifter.



PART NO.	DESCRIPTION	PRICE
S83-4555	MILLS KEY INSERTION SAFETY SHIM KISS TOOL	8.95

MILLS KEY CARRIAGEWAY 2A D PIT LIFTER

This D type pit lifter is for use on E type and square or rectangle covers. Features an adjustable locking nut which bears against the frame to lift the cover.

Supplied individually, but used in pairs. Dimensions: 260mm x 170mm.



PART NO.	DESCRIPTION	PRICE
S13-3001	MILLS KEY CARRIAGEWAY 2A D PIT LIFTER	22.56

T HANDLE 20" MANHOLE KEY (PAIR)

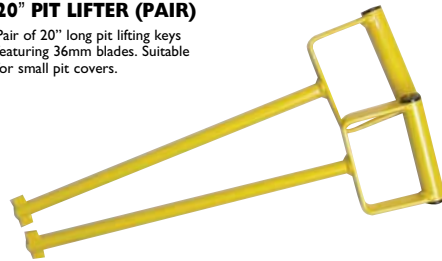
Light duty manhole key featuring a 22mm blade and a chisel point on the T handle for cleaning cover key holes and channels.



PART NO.	DESCRIPTION	PRICE
S00-0005	T HANDLE 20" MANHOLE KEY (PAIR)	11.20

20" PIT LIFTER (PAIR)

Pair of 20" long pit lifting keys featuring 36mm blades. Suitable for small pit covers.



PART NO.	DESCRIPTION	PRICE
S00-3000	20" PIT LIFTER (PAIR)	12.83

4 WAY PIT LIFTER

Multipurpose pit lifter featuring keys for a variety of different covers.

Features

- Integral handle for easy carrying.
- Ductile iron construction.
- Painted finish.
- 4 Different heads.
- Handle Length: 530mm



PART NO.	DESCRIPTION	PRICE
S00-7907	4 WAY PIT LIFTER	159.95

FOLDING PIT COVER LIFTING TOOL 4 WAY

Folding tool designed to support safe manual lifting.

Allows manhole covers to be lifted whilst keeping straight back.

Features

- Integral handle for easy carrying.
- Folds to fit into a car boot.
- Ductile iron construction.
- Painted finish.
- 4 Different heads included.



PART NO.	DESCRIPTION	PRICE
S00-1702	FOLDING PIT COVER LIFTING TOOL 4 WAY	251.02

REPLACEMENT 4 HEADED WHEEL FOR S00-7907 AND S00-1702 LIFTING TOOLS

Replacement 4 headed wheel for S00-7907 4 Way Pit Lifter Key and S00-1702 Folding Lifting Tool 4 Way.



PART NO.	DESCRIPTION	PRICE
S00-1703	REPLACEMENT 4 HEADED WHEEL	45.38

KEY PILLAR

A multi purpose triangular shaped key for use on hollow poles, cross connection cabinets, distribution pillars and jointing posts.

Also known as BT Key Pillar. Formerly S83-0804.

Ref: 114996.



PART NO.	DESCRIPTION	PRICE
S83-0804	KEY PILLAR	5.95

MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS

A multi-purpose star shaped key for use on normal copper cabinets as well as Huawei and ECI DSLAM's Cabinets.

This key is similar to the standard S83-0804 triangular pillar key but has further semi-circular recesses that allow it to be used on both copper and fibre cabinets.



PART NO.	DESCRIPTION	PRICE
S13-1635	MILLS STAR LOCK PILLAR KEY FOR HUAWEI CABINETS	6.95

MILLS CLAMP 1A

The Clamp 1A is used on older cast iron PCP Cabinets to assist with the opening of the doors and prevent injury, should a hinge be broken.

The recognised procedure is to remove the top locking bolt and install the Clamp 1A.

This allows the engineers to loosen the bottom lock, whilst the tension is then held by the Clamp 1A.

Ref: 126425.



PART NO.	DESCRIPTION	PRICE
S83-0578	MILLS CLAMP 1A	17.95

SERVICE CABINET KEY

The square key will fit all rim and mortice budget locks.

Made from steel.



PART NO.	DESCRIPTION	PRICE
S00-7352	SERVICE CABINET KEY	4.29

GAS / ELECTRIC UTILITY METER KEY

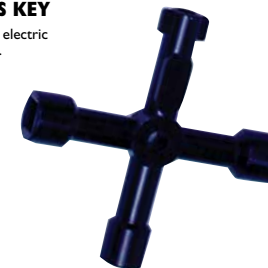
Triangular gas & electric cabinet box key.



PART NO.	DESCRIPTION	PRICE
S00-7377	KEY PILLAR	2.63

4 WAY UTILITIES KEY

Compatible with water, electric and gas service cabinets.



PART NO.	DESCRIPTION	PRICE
S00-7906	4 WAY UTILITIES KEY	2.65

5-IN-1 SWITCH CABINET MASTER KEY

The 5-in-1 Switch Cabinet Master Key is suitable for all the usual technical shut-off systems. It has a varnished plastic body with a practical retaining clip and the key profiles are zinc die-cast for increased durability.

The Master Key has 4 different keys, which are fitted on a double turning mechanism, allowing good positioning. In addition, the body houses a magnetic 5mm square and 1/4in bit holder, and a magnetic pocket for 1/4in bits in 7-8mm square profile

Features:

- 3 x Square: 5, 6 & 7-8mm.
- 1 x Triangular: 9mm.
- 1 x Two-way: 3-5mm.



PART NO.	DESCRIPTION	PRICE
S00-1760	5-IN-1 SWITCH CABINET MASTER KEY	28.75

FIRE BRIGADE FB LIFT OR DROP KEY

The FB Fireman's lift key is also known as the fireman's drop key and enables the emergency services to open lift doors in the event of an emergency.

Steel Finish.



PART NO.	DESCRIPTION	PRICE
S00-1696	FIRE BRIGADE FB LIFT OR DROP KEY	20.59

FIRE BRIGADE MASTER KEY SET

The Fire Brigade six key set includes: 1 x FB1 mortice and rim key 1 x FB2 mortice and rim key, 1 x FB4 Slam lock key, 1 x FB1 padlock key, 1 x FB11 padlock key and 1 x FB14 padlock key.

Many fire brigade services, councils and other emergency services use FB keys. They are universal keys to open many types of doors, padlocks etc.

Mainly Used By The Fire Service, Schools, Electricians, Contractors etc.



PART NO.	DESCRIPTION	PRICE
S00-1695	FIRE BRIGADE MASTER KEY SET	8.95

PROFESSIONAL ENGINEER CALL POINT TEST KEY SET

The call point key set is an essential must have for every fire alarm engineer on site who work alongside a wide variety of call points, so you won't be left in the dark on that all-important job. The key set has been designed to include the most common call point test keys used in a wide range of different fire alarm systems which have been installed into buildings all over.



PART NO.	DESCRIPTION	PRICE
S00-1829	PROFESSIONAL ENGINEER CALL POINT TEST KEY SET	19.95

9-IN-1 SWITCH CABINET MASTER KEY

The 9-in-1 Switch Cabinet Master Key is suitable for all the usual technical shut-off systems. It has a varnished plastic body with a practical securing chain and snap-hook. The key profiles are zinc die-cast for increased durability. The Master Key has 8 different keys, which are fitted on a double turning mechanism, allowing good positioning. In addition, the body houses a 5mm square key suitable for aerating radiator valves and a 1/4 inch magnetic bit holder.

Features:

- 4 x Square: 5, 6, 7-8 & 9-10mm.
- 3 x Triangular: 7, 8-9 & 10-11mm.
- 1 x Two-way: 3-5mm.
- 1 x Half-moon: 6mm.



PART NO.	DESCRIPTION	PRICE
S00-1761	9-IN-1 SWITCH CABINET MASTER KEY	43.86

LIFTER MANHOLE COVER 4B

A hydraulic type lifter used for lifting all types of carriageway cover. A range of different keys can be fitted to suit the type of cover to be lifted. The lifter is used by attaching the main beam to the manhole cover via the appropriate lifting key and operating the ram with a pump action. A release valve is incorporated to lower the cover back into position.

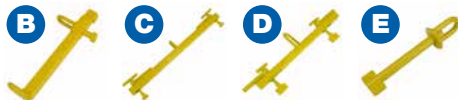
The lifter comes complete with a ram operating handle, a lifter manoeuvring handle and carrying handle, and is supplied complete with bars and a full set of keys.



Replacement parts for old style Lifter Manhole Cover 4B

- B) 1A Used in pairs to lift Ekington type manhole covers.
- C) 2A Used in pairs to lift unit type manhole covers.
- D) 3B Used for lifting triangular type covers such as Silent Knight and Covers Carriageway C and D. These keys should be ordered in sets of 6 to cater for the largest installation of 6 pairs of covers.
- E) 4A Used in pairs to lift old types of manhole covers.

PART NO.	DESCRIPTION	PRICE
S83-0966	A) LIFTER MANHOLE COVER 4B	695.00
S83-2659	B) PART 1A	74.80
S83-2660	C) PART 2A	96.25
S83-2661	D) PART 3B	98.05
S83-0854	E) PART 4A	26.50



ARNOLD MK I COMPACT COVER LIFTER

Arnold MK I is designed to allow a single person to safely remove and replace a variety of manholes, duct and trench covers with minimal effort.

The device is designed to dismantle into a compact size making it easy to store and transport. It can also manoeuvred or carried in its storage mode and has reflective livery so it can be seen at night.

The pivoting bearer beam with jacks at each end allows the lid to remain horizontal during the removal and replacement Extended Bearer Beam with jacks process.

It has a safe working load of 125kgs.

- Product weight: 20kgs
- Folded dimensions: 1000(L) x 360(W) x 700(H)mm
- Open dimensions: 1400(L) x 1100(W) x 1240(H)mm

Supplied with box of fully forged keys comprising:

- 35mm T, 25mm T, for the majority of manhole covers
- 25mm L key for telecoms covers
- Hook key for grates, gullies, vented lids and for attaching the extended bearer beam.



PART NO.	DESCRIPTION	PRICE
S00-3698	ARNOLD MK I COMPACT COVER LIFTER	948.75

PROPANE KIT COMPLETE

Consists of:

Torch, Regulator, Nozzle C, Coupling Blank, Coupling Nut & Tail, Spanner, Hose High Pressure & Hose Clips.

Price of kit varies upon length of hose required.

Ref: 129136.



PART NO.	DESCRIPTION	PRICE
S83-3221	PROPANE COMPLETE KIT	95.50

PROPANE TORCH

A propane torch handle that accommodates a range of different size nozzles.



PART NO.	DESCRIPTION	PRICE
S83-0841	PROPANE TORCH	24.34

PROPANE REGULATOR

Propane regulator reduces the gas cylinder pressure to the required working pressure of 8 psi.



PART NO.	DESCRIPTION	PRICE
S83-2683	PROPANE REGULATOR	35.00

PROPANE SPANNER

General purpose spanner for use with Propane Torch and Regulator.

Ref: 126322.



PART NO.	DESCRIPTION	PRICE
S83-0959	PROPANE SPANNER	3.54

PROPANE STOVE

Light construction propane stove for general use such as melting lead and other metals, compounds, bitumen, etc.

Incorporates a standard needle valve. Will generally heat compounds to about 600 degrees C.



PART NO.	DESCRIPTION	PRICE
S83-2684	PROPANE STOVE	89.28

PROPANE NOZZLE 'C'

Propane nozzle used for larger shrink down closures, produces a large but soft flame 8" x 2" diameter.



PART NO.	DESCRIPTION	PRICE
S83-2680	PROPANE NOZZLE 'C'	13.54

PROPANE NOZZLE 'D'

Propane nozzle used on the shrink down ports of multi entry collars, produces a soft flame 5" x 9/16" diameter.



PART NO.	DESCRIPTION	PRICE
S83-2681	PROPANE NOZZLE 'D'	14.47

PIEZO GAS LIGHTER

Piezo gas lighter with a plastic handle. No flints, batteries or fuel refills required. Chrome plated mild steel. Replaces the Pistol Spark Gun.



PART NO.	DESCRIPTION	PRICE
S83-2678	PIEZO GAS LIGHTER	8.79

PROPANE COUPLING BLANK

For blanking off unused outlet on Propane Regulator.



PART NO.	DESCRIPTION	PRICE
S83-0967	PROPANE COUPLING BLANK	1.15

FIRE BLANKET 1.2M X 1.8M

Made from high quality materials and stored in a tough and durable wall mounted case.

The 1.2m x 1.8m size blankets are suitable for larger sized or commercial kitchen areas, workshops and clothing fires.

- Wall mounted fire blanket
- Suitable for fires involving less than 3 litres of fat/oil
- Certified to BS EN 1869:1997



PART NO.	DESCRIPTION	PRICE
S00-7275	FIRE BLANKET 1.2M X 1.8M	30.29

MILLS RIVETER 1A

Riveter 1A used for fitting Kit 267A which provides electrical continuity of the moisture barrier across the joint of PE sheathed cables. It is a hand operated tool which installs a rivet and a connector.

Ref: 126500.



PART NO.	DESCRIPTION	PRICE
S83-4466	RIVETER 1A	24.95

PROPANE COUPLINGS, NUTS & SETS



A) PROPANE COUPLING

For use with Hose Propane and Regulator Propane.



B) PROPANE COUPLING NUT

For fixing Propane Coupling Blank and Propane Coupling to Propane Regulator.

PART NO.	DESCRIPTION	PRICE
S83-0906	A) PROPANE COUPLING	1.20
S83-0905	B) PROPANE COUPLING NUT	2.29
S83-2682	SET OF PROPANE NUT & COUPLING	3.29

A) PROPANE HOSE HIGH PRESSURE

High pressure hose for propane tools, 4.7mm bore.

Sold by the metre - Call sales for pricing.

B) PROPANE HOSE CLIP

Steel hose clip for use with propane hose. Supplied individually.



PART NO.	DESCRIPTION	PRICE
S83-0916	PROPANE HOSE HIGH PRESSURE	2.18
S83-3222	PROPANE HOSE CLIP	0.39

A) MOISTURE BARRIER KIT 267A

Used to make moisture barrier connections. The kit comprises a rivet washer and wire connector.

B) COMPLETE MOISTURE BARRIER KIT 1 METRE

Complete Moisture Barrier Connector kit using 267A type rivets to secure earth continuity to cable sheath.



PART NO.	DESCRIPTION	PRICE
S83-0955	A) MOISTURE BARRIER KIT 267A	4.74
S83-0373	B) COMPLETE MOISTURE BARRIER KIT 1 METRE	2.75
S83-0375	B) COMPLETE MOISTURE BARRIER KIT 2 METRE	3.95

THE MILLS PITMATE SYSTEM

The Pitmate range of products and accessories has been specifically designed in conjunction with telecom engineers to assist field operational staff with the installation of telecommunication equipment. The Pitmate system comprises a Pitmate Base Unit which can be attached to the existing Mobra arms allowing splicing trays, cable reel stands and even umbrella stands to be quickly and easily attached providing a stable platform whilst on site. In addition many of the components are interchangeable with the Mills Pitmate System, shown on page 411.

MILLS PITMATE KIT

Kit comprises;

- S83-7629 Splicer's Work Tray
- S83-7626 Mobra Arm Bracket
- S83-7624 CBT Arm



Pitmate Base Unit

...with Splicer's Tray

...with General Tray

...with CBT Reel Arm

B

MOBRA ARM BRACKET

An adjustable bracket which can be fixed easily to the Mobra frame. The bracket can be adjusted to 6 different heights by use of the captive pin in 80mm increments, starting from a minimum height of 150mm to a maximum of 550mm.

E

GENERAL WORKING TRAY

Easily slipped into the S83-7622 Mills Polemate Base Unit Bracket providing a firm work support for general service and maintenance applications. Dimensions: 508mm x 258mm

C

CBT ARM

A specialist 500mm long bracket for use in the installation and controlled de-reeling of CBT Cable Reel Assemblies up to a diameter of 830mm. The CBT Arm System allows the reel to be unreeled in a controlled manner due to the interference fit of the spindle flanges.

F

UMBRELLA CLAMP FOR MOBRA FRAME

An 'L' shaped clamp which quickly fixes to the Mobra frame. The umbrella clamp accepts most umbrellas with a stock of 18-34mm.

D

SPLICER'S WORK TRAY

A purpose made splicers tray that simply slots into the S83-7622 Polemate Base Unit or Pitmate Mobra Arm Bracket (S83-7626) providing a firm work support for both joint, splicer, cleaver and associated tools. Dimensions: Width 508mm x Depth 408mm x Thickness 2mm.

**MILLS POLE MATE
SEE PAGES 25**

PART NO.	DESCRIPTION	PRICE
S83-9326	A) MILLS PITMATE KIT	265.90
S83-7626	B) MILLS PITMATE MOBRA ARM BRACKET	99.95
S83-7624	C) MILLS POLEMATE / PITMATE CBT ARM	99.95
S83-7629	D) MILLS POLEMATE / PITMATE SPLICER'S WORK TRAY	66.00
S83-7431	E) A GENERAL PURPOSE WORK TRAY	39.95
S83-7625	F) MILLS PITMATE UMBRELLA CLAMP FOR MOBRA FRAME	89.95



OUTSIDE PLANT TELECOMS & BROADBAND CABINETS & ENCLOSURES



A

A) FIBRE NETWORKS

- Used for FTTH (e.g. GPON)
- For SpeedPipe, FibreBlow and classic fibre technologies



B

B) BROADBAND NETWORKS

- ADSL, VDSL, Vectoring
- Active ethernet, POTS
- TriplePlay
- Useable in FTTC, FTTB, FTTH and mixed topologies

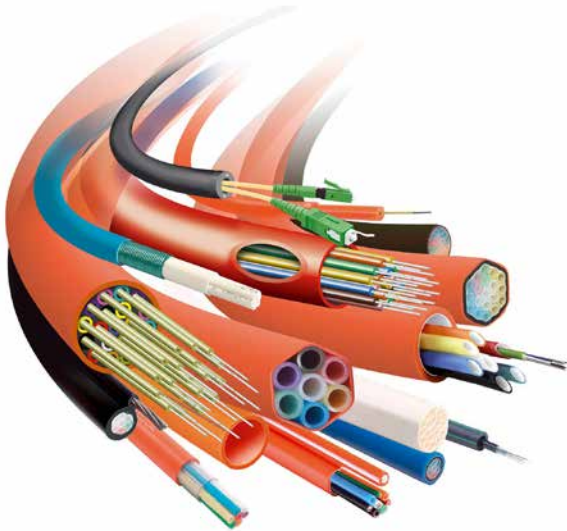


Ring sales on 020 8833 2626 for further information



With over 30 years of history and approximately 1 million kilometres of blown fibre tubing supplied for infrastructure in the UK, Emtelle's expertise is unrivalled as the industry leader in plastic tubing for telecommunications. This is why they are Mills' ducting partner of choice.

- Blown Fibre Tubing
- Microducting
- Multiducting
- Subduct
- Ducting
- Pre-installed Fibre Ducting



EUROCRAFT TECHNOLOGIES

Today's engineering, protecting tomorrow's technology.

Passive Enclosures

Fundamental to making ideas tangible, effective design ensures practical outcomes aligned to meet the challenges of real world needs.

With a proven record of creative and sustainable enclosure design, Eurocraft delivers competitive advantage for high value installations.

Our team of design engineers create innovative products that support major telecommunication networks and a wide range of industrial applications.

Our in house Design team will create Innovative and cost effective solutions to suit your problem.



Enclosure Integration

Integration of components and subsystems during product development is essential to achieve success, particularly for complex projects where specialist skill often fall outside in-house expertise.

As an end to end service provider, Eurocraft support rollout of new technologies such as next generation networks.

Eurocraft offer a complete end to end service for cabinet integration. Complementary to Eurocraft's core capabilities, this additional resource enables provision of turnkey delivery to industrial and telecom clients.



Custom power solutions

Custom power enclosures and backboards designed and developed to suit new project demands as well as offering cost reductions and safety improvements.

Providing DNO incoming power systems as full assembled power boards or secondary fed forward power system enclosures to reduce civil and DNO costs on expansion or new sites.

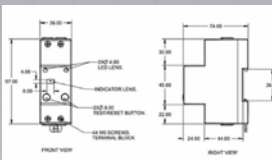
Ultimate protection for engineering staff and general members of the public, EN/BS 18th Edition compliant, 100% removal of periodic testing and nuisance tripping.

In-house designed and manufactured.



Smart RCD

RCD nominal sizes
97mm High x 74mm Deep x 36mm Wide



BS7671 periodic testing compliant, 2 pole, self testing, auto re-closing, externally communicating RCD

- Voltage 110-240Vac
- Rated residual current 30mA, 100mA, 300mA
- Trip time <30ms
- IP20
- Maximum connector cross section 25mm²
- Slave and master system



DESICCANT PACK 2A

Used on unventilated Cabinets
Cross Connection. 140g pack.
Ref: 076062.



PART NO.	DESCRIPTION	PRICE
S83-3224	DESICCANT PACK 2A	POA

RESIN PACK 2B

A two component
polyurethane compound
specifically formulated
for use in the
construction of vertical
air blocks in pressurised
telecommunication
cables.
Ref: 074228.



PART NO.	DESCRIPTION	PRICE
S83-2836	RESIN PACK 2B	8.61

RESIN PACK 7A

Resin Pack 7A is a two-component polyurethane foam specifically formulated for the sealing of telecommunications cable ducting against the ingress of moisture and gas.

Features:

- Fully complies with BT Specification M225.
- Supplied as two half litre cans containing the base and hardener components.
- Kit also contains an injection syringe.



PART NO.	DESCRIPTION	PRICE
S83-2838	RESIN PACK 7A	23.60

RESIN PACK 9B

Resin Pack 9B (FR) is a two component non-harmful polyurethane compound specifically formulated for use as a self-curing closure sealant system for sealing polyethylene sheathed telecommunications cables into the bases of Sleeves 30A, 31A and 32A and Conduits for both construction and maintenance purposes.



PART NO.	DESCRIPTION	PRICE
S83-2840	RESIN PACK 9B	5.01

COMPOUND 21A

Compound 21A is a single component adhesive cement for bonding PVC ducting.
Ref: 071821.



PART NO.	DESCRIPTION	PRICE
S83-2750	COMPOUND 21A	7.80

RESIN PACK 6C

Resin Pack 6C is a two component polyurethane compound specifically formulated for use as a sealant against the ingress of moisture into the concrete bases of cabinets crossconnection.

Features:

- Complies with latest BT specification
- Supplied as a 3.8 litre kit comprising of 3.29 litres Base and 0.51 litres Hardener
- Yellow base and blue hardener result in pale green mixed product (visual guide to mix quality)

Ref: 056487.



PART NO.	DESCRIPTION	PRICE
S83-2837	RESIN PACK 6C	61.05

RESIN PACK 7B

Resin Pack 7B is a two-component polyurethane foam specifically formulated for the sealing of telecommunications cable ducting against the ingress of moisture and gas.

Features:

- Fully complies with BT Specification M225.
- Supplied as a comprehensive duct sealing kit including flexible foam dams.
- Ideal for use on 54A ducting.



PART NO.	DESCRIPTION	PRICE
S83-2839	RESIN PACK 7B	6.32

RESIN PACK 10B

A very hard/permanent sealant, used for sealing sleeves 30A, 31A and 32B.



PART NO.	DESCRIPTION	PRICE
S83-2748	RESIN PACK 10B	POA

RESIN PACK 14C

Resin Pack 14C is a two component polyurethane compound specifically formulated for use as a sealant against the ingress of moisture and gas into telecommunications cable ducting.

- Features:
- Fully complies with BT Specification M229C
 - Supplied in a 250 ml "universal" cartridge fitted with a static mixer nozzle
 - Bonds well to Polyethylene, Polycarbonate and PVCu
 - Rapid cure
 - Improved re-enterable characteristics as compared to Resin Pack 14B



PART NO.	DESCRIPTION	PRICE
S83-2835	RESIN PACK 14C	21.67

RESIN 14 REMOVAL TOOLKIT

The Resin 14 Removal Toolkit is for removal of Resin 14 duct seals from within cabinet/DSLAM, and comprises a Manual Impact Drill, 1 x 5.5mm x 210mm, 1 x 8mm x 210mm SDS drill bits and a pair of Extraction Hooks.

The extraction hooks are approx. 600mm in length with a T-handle at one end and a small hook at the other.

Ref: 088051.



PART NO.	DESCRIPTION	PRICE
S83-1838	THE RESIN 14 REMOVAL TOOLKIT	49.95

A) PEN MARKER NO.1

Permanent waterproof black marker pen for most surfaces with 0.6mm fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces. Low odour ink and can be left uncapped for days without drying up.
Ref: 129408.



B) PEN MARKER NO.2

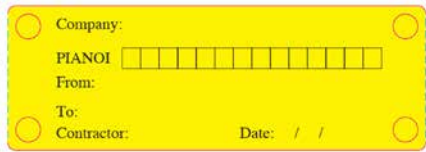
Permanent waterproof gold marker pen for most surfaces with 1.2mm fine nib thickness providing smudge proof and waterproof qualities on almost all surfaces. Low odour ink and can be left uncapped for days without drying up.
Ref: 129392.



PART NO.	DESCRIPTION	PRICE
S83-0948	A) PEN MARKER NO.1	0.99
S83-0960	B) PEN MARKER NO. 2	3.53

CABLING LABEL

For identification of newly provided cables- All pre-printed fields need to be completed with a Pen Marker No 1 (S83-0948). The yellow 100mm x 35mm labels are supplied in reels of 250 and have 4 x 6mm pre-cut holes in each corner for affixing into position using cable ties.



PART NO.	DESCRIPTION	PRICE
C71-0625	CABLING LABEL (REEL OF 250)	145.00

COMPOUND 16A

Compound 16A is a single component non curing mastic specifically formulated for sealing against gas and water in underground conduits carrying telephone cables.



PART NO.	DESCRIPTION	PRICE
S83-2749	COMPOUND 16A	6.47

COMPOUND DX5

Black compound for sealing around junction boxes, service cable entries and many other similar applications. Forms around irregular surfaces and configurations, highly resistant to cracking, drying and shrinking.
Supplied in 5 x 1 pound blocks.



PART NO.	DESCRIPTION	PRICE
S83-3226	COMPOUND DX5	18.95

SHARPIE PENS

- Quick drying, non-toxic ink formula
- Permanent on most surfaces
- Fade and water resistant ink
- Ideal for cable labelling

A) Twin Tip: Dual degrees of precision
Increased functionality with both Fine and Ultra Fine tips in one marker.

B) Sharpie Retractable Fine Point Permanent Marker: Forget about a cap...just click and write. Retractable marker for easy one-handed operation. Safety Seal™ valve design helps prevent dry out. No cap to remove or lose.



PART NO.	DESCRIPTION	PRICE
C71-6895	A) TWIN TIP FINE & ULTRA FINE X2 BLACK	4.15
C71-9820	A) TWIN TIP FINE & ULTRA FINE X12 BLACK	19.78
C71-9821	A) TWIN TIP FINE & ULTRA FINE X12 RED	19.78
C71-9822	A) TWIN TIP FINE & ULTRA FINE X12 BLUE	19.78
C71-9826	B) RETRACTABLE FINE TIP X12 BLACK	17.30

**FIST-GC02
EXTERNAL FIBRE
OPTIC SPLICING
CLOSURES**

CommScope's generic closure FIST-GC02 is an environmentally sealed enclosure for the FIST fibre management system. The closure is a single-ended design made of a thermoplastic material. The base and dome are sealed with a clamp (or latches) and an O-ring system. One oval entry port for looped (uncut) cable and 6 or 16 round ports for single cable entry/exit are provided in the base. (8 round or 6 + 1 oval port for GC02-FX version).



FIST-GC02 has provision for all cable termination and sealing requirements. Cable seals are manufactured from heat-shrinkable or gel material. The universal mounting system profiles provide the foundation for mounting combinations of SOSA2 Tray and/or SOSA2 splitter modules, which consist of a modular groove plate and trays.

Ring sales for [ordering guide](http://www.millsltd.com) or visit: www.millsltd.com

MECHANICAL JOINT CLOSURE (MJC)

Watertight splice closure for aerial, underground and direct buried splices in the unpressurised copper telecommunication network.

No special tools are needed for installation or re-entry and includes integrated mounting brackets for aerial and wall installation.

The cable entries **MUST** be fitted with branching plugs. Dependent on the number of cables and their sizes, a variety of branching plugs and reducers are available. These are required items but are not supplied with the closure and **MUST** be ordered separately due to the number of different options available.

Features:

- Robust construction with high mechanical strength
- Proven gel sealing system: Easy to handle at all temperatures / Easy to re-enter
- Innovative cable fixation system
- No special tools needed for installations or re-entry
- Closure uses over-centering 'ski boot' type latches
- Flexible branching plug system allowing installation of cables
- Integrated mounting brackets for aerial and wall installation
- Reduced inventory as fewer size closures needed to cover a wide range of applications up to 100 pairs
- Both dome-ended and in-line closures are available
- Cable configuration changes possible with a minimum of extra accessories
- No shelf life



- Kit content**
- Closure
 - Cable clamps
 - Cleaning tissue
 - Gel tape
 - Installation instructions
 - Measuring tape



Ring sales for [ordering guide](http://www.millsltd.com) or visit: www.millsltd.com



FOSC 400 & FOSC 450G EXTERNAL FIBRE OPTIC SPLICING CLOSURES

CommScope's FOSC 400 products are butt-type closures used in the outside plant network when mass splice storage is the main requirement. They are available in four different sizes and are typically used as track joints. Depending on the closure size, the splice storage and organiser trays can accommodate from 6 to 768 single fibre splices. All splicing trays are hinged at one end and any fibre can be accessed without disturbing fibre on other trays, kinking buffer tubes, or introducing losses. All cable termination and sealing functions are provided with the closures. Uncut loose buffer tube storage is provided in optional storage baskets.



FOSC 450G



FOSC 400

The FOSC 400 range is available with traditional heat shrink cable seals or CommScope's new gel sealing system. FOSC 450G gel sealed splice closures have the same splice capacity as standard FOSC 400 closures and feature the same reliable and easy-to-use dome-to-base clamping system. The major difference with the FOSC 450G closures is that the cable sealing terminations use gel sealing technology instead of traditional heat shrink. Gel seal cable terminations automatically adjust to cable size and shape, and require no special tools, tapes or mastics to install. Gel seals enable quick and easy cable removal and are completely re-usable.

Ring sales for [ordering guide](http://www.millsltd.com) or visit: www.millsltd.com

TENIO FIBRE CLOSURES

Building on almost 30 years of innovation and industry leadership, CommScope's new TENIO closures enable 30-percent faster, future-proof network deployments in 30-percent less space. TENIO closures feature modular building blocks and combine proven fibre management hardware with a new sealing system to simplify training and reduce inventory. The closure's 100-percent mechanical, tool-less and intuitive design facilitates lower-skilled network deployments. Full modularity of the closure platform supports a phased CAPEX network deployment scheme, reducing up-front CAPEX investment.



Designed for use with any cable construction (loose buffer tube, central core tube, loose fibre), the closures deploy in any environment (aerial, pedestal, handhole, manhole) and CommScope's superior gel-sealing technology guarantees sealing regardless of cable type and form.

Ring sales for [ordering guide](http://www.millsltd.com) or visit: www.millsltd.com



PRYSMIAN LMJ LARGE MULTI-FUNCTION JOINT - MEDIUM CAP

The LMJ is used for access applications within the external optical network and can be used for track, spur and loop applications.

It can accommodate a wide variety of cables such as loose tube, central loose tube, Flextube and blown fibre.

The modular tray system is designed for positive fibre management for Single Circuit Management (SCM) and Single Element Management (SEM), and the splice trays can accommodate a variety of different types of splice protectors and splitters.

The joint has ten circular ports and one oval port for mechanical entry. Mechanical glands are used to seal cables into the circular ports.

Multi way glands are also available to fit multiple cables into each circular port depending on the cable diameter.



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Prysmian Group

PART NO.	DESCRIPTION	PRICE
XJTSC02366	PRYSMIAN LMJ LARGE MULTI-FUNCTION JOINT - MEDIUM CAP	203.19
XJTSC02548	PRYSMIAN LMJ HANDLE KIT	5.85
XJTSC02274	PRYSMIAN LMJ SUPPORT TOOL	66.00
XJTSC02597	PRYSMIAN LMJ WALL / POLE MOUNTING BRACKET	22.50
XJTSC02382	PRYSMIAN LMJ MECHANICAL OVAL PORT ENTRY KIT 6-8MM	13.00

PRYSMIAN CMJ COMPACT MULTI-FUNCTION JOINT WITH TRAYS

The Compact Multi Function Joint (CMJ) is for jointing optical fibre cables. The joint is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size.

It has a maximum capacity of 144 fibres. The splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres.

A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

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Prysmian Group

PART NO.	DESCRIPTION	PRICE
CMJ-F-X-XXXX-X-X-X	PRYSMIAN CMJ COMPACT MULTI-FUNCTION JOINT WITH TRAYS	POA
XJTSC00075	PRYSMIAN CMJ / MMJ SUPPORT TOOL	47.40
XJTSC01756	PRYSMIAN CMJ / MMJ OVAL PORT HEAT SHRINK ENTRY KIT	19.20
XJTSC01755	PRYSMIAN CMJ / MMJ CIRCULAR PORT ENTRY ARAMID GLANDS 4WAY 5-7MM	8.75
XJTSC02768	PRYSMIAN CMJ / MMJ CIRCULAR PORT ENTRY CSM GLANDS 4WAY 5-7MM	11.20

PRYSMIAN MMJ MEDIUM MULTI-FUNCTION JOINT WITH TRAYS

The Medium Multi Function Joint (MMJ) is for jointing optical fibre cables.

The joint is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size. It has a maximum capacity of 288 fibres.

The splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres.

A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

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Prysmian Group

PART NO.	DESCRIPTION	PRICE
MMJ-F-X-XXXX-X-X-X	PRYSMIAN MMJ MEDIUM MULTI-FUNCTION JOINT WITH TRAYS	POA
XJTSC00075	PRYSMIAN CMJ / MMJ SUPPORT TOOL	47.40
XJTSC01756	PRYSMIAN CMJ / MMJ OVAL PORT HEAT SHRINK ENTRY KIT	19.20
XJTSC01755	PRYSMIAN CMJ / MMJ CIRCULAR PORT ENTRY ARAMID GLANDS 4WAY 5-7MM	8.75
XJTSC02768	PRYSMIAN CMJ / MMJ CIRCULAR PORT ENTRY CSM GLANDS 4WAY 5-7MM	11.20

PRYSMIAN UMJ ULTRA COMPACT MULTI-FUNCTION JOINT

The Ultra Compact Multi Function Joint (UMJ) is ideal for use as a Cable Chamber Joint, Track Joint, Spur Joint or Distribution Joint due to its capacity and compact size. It has a maximum capacity of 72 fibres, the splice trays are factory fitted and each tray can accommodate up to 12 spliced fibres. A multi-functional bracket can be supplied with the joint which enables wall or pole mounting of the joint vertically or horizontally. The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports also for heat shrink entry.

Features and Benefits

- An ultra compact closure for the splicing of optical cables.
- Supplied with 6 single element trays each able to accommodate 12 splices providing a maximum capacity of 72 fibres, or 6 single circuit splice trays. Each single circuit splice tray has two storage sections providing a total of 12 trays per joint with each tray accommodating up to 4 splices providing a total capacity of 48 fibres.
- An integrated input manifold manages the tubes to a common routing channel and has the provision to mount up to two optical splitters.

PART NO.	DESCRIPTION	PRICE
UMJ-F-X-XXXX-X-X-X	PRYSMIAN UMJ	POA

Prysmian Group



A) PRYSMIAN SJC SMALL JOINT CLOSURE WITH 2 CABLE ENTRIES FOR CABLE 5-9MM

The SJC Closure is a splice closure that is used for track or branch applications. It has 4 cable entry ports, a splice cassette for 24 splices and a cable management and storage area. The closure is sealed to IP68 for water and dust tightness. The closure is supplied with four knock-out ports and two entry glands. Up to two additional entry glands can be ordered separately.



Prysmian Group

B) PRYSMIAN SJC CABLE ENTRY KIT 6-12MM

The cable entry kit is used to install an additional cable into the joint. It contains a cable gland, a cable tie and foam tape. For cables between 6-12mm.

PART NO.	DESCRIPTION	PRICE
XJTSC02335	A) SJC SMALL JOINT CLOSURE WITH 2 CABLE ENTRIES FOR CABLE 5-9MM	30.00
XJTSC02471	B) SJC CABLE ENTRY KIT 6-12MM	2.90

PRYSMIAN HDB4 HYBRID DROP BOXES

The Hybrid Drop Box (HDB4) is a wall mounted product used for the splicing of up to 4 fibres and up to four customer drop cables.

It has the added feature of a copper storage area to accommodate a hybrid cable and is supplied with two cable entry seals for the two input cable ports and four drop ports.

The HDB4 can accommodate cables from 3 to 7 mm and is supplied with an extra knock-out port on the back for through wall applications.

It can be mounted on a wall with the included fastening materials and fits directly onto standard S83-2759 Connector Bend 4 to hide primary cable routings.

Supplied with two duplex LC/APC adaptors and pigtails for connectorised drops.



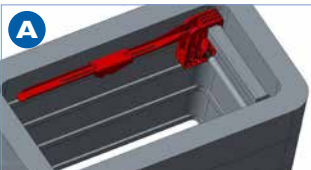
Prysmian Group

PART NO.	DESCRIPTION	PRICE
XCPSC03044	PRYSMIAN HDB4 HYBRID DROP BOX 2X LC/APC DUPLEX	34.83
XCPSC03043	PRYSMIAN HDB4 HYBRID DROP BOX 2X SC/APC SIMPLEX	21.93
XCPSC03029	PRYSMIAN HDB4 HYBRID DROP BOX SPLICE ONLY	12.64

A) PRYSMIAN HALF SIZE MOBRA ARM

Prysmian Half Size Mobra Arm to UMJ,CMJ,MMJ Enclosure. The arm is designed to be used in JUF/2 Chambers and used with a JUF/2 Mobra Chamber Mounting Bracket (S83-0525) and JUF/10 Mobra Chamber Mounting Bracket (S83-0524).

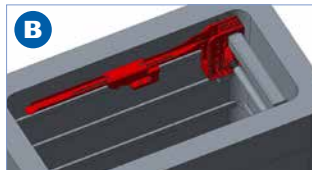
Overall Length 440mm x width 60mm.



B) PRYSMIAN FULL SIZE MOBRA ARM

Prysmian Full Size Mobra Arm to UMJ,CMJ,MMJ Enclosure. The arm is designed to be used in JUF/4/6/10 Chambers and used with a JUF/4/6 Mobra Chamber Mounting Bracket (S83-0525) and JUF/10 Mobra Chamber Mounting Bracket (S83-0524).

Overall Length 810mm x width 60mm.



C) PRYSMIAN LMJ MOBRA MOUNTING KIT

Prysmian LMJ Mobra Mounting Kit- A kit for mounting the LMJ enclosure. The arm is designed to be used in JUF/4/6/10 Chambers and used with a JUF/4/6 Mobra Chamber Mounting Bracket (S83-0525) and JUF/10 Mobra Chamber Mounting Bracket (S83-0524).

Overall Length 810mm x width 60mm.



Prysmian Group

For more mobra items see [page 45-46](#)

PART NO.	DESCRIPTION	PRICE
XJTSC03265	A) UMJ/CMJ/MMJ HALF SIZE MOUNTING BRACKET	47.50
XJTSC02405	B) UMJ/CMJ/MMJ FULL SIZE MOUNTING BRACKET	52.50
XJTSC03203	C) LMJ MOBRA MOUNTING KIT	89.95

HELLERMANN TYTON
BROADBAND FIBRE
CONNECTIVITY

HellermannTyton



A) HellermannTyton Fibre Wall Outlet (FWOA-AXW21-010/WH)

A wall-mounted fibre optic outlet with a pre-terminated connection cable provides an internal connection point in the end-user's house or apartment.

The pre-terminated cable allows the installer to complete all splicing of fibre cable away from the customer premises.

It is supplied with a 2-fibre G657.A1 10 m cable that has been pre-terminated with a single LC-APC connector and the outlet comes fitted with a duplex LC-APC adaptor. Other lengths are available upon request.

Fibre management features ensure a minimum bend radius of 30 mm is maintained as the bare fibre is routed through the outlet and strain relief and anchor points secure the incoming cable.



D) HellermannTyton S1 Series MDU/MBU Enclosure

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) network with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors.

- 8 LC-APC Simplex Adaptors and Pigtails
- 2 Inbound/8 Outbound ports
- Separation of inbound fibre from connectorised drop cables
- Positive fibre management to maintain consistent 30 mm minimum bend
- PLC splitter accommodation (60 mm x 7 mm x 4 mm)
- Supports 3A splice protector types
- IP55/IK08 & UV Stable

The enclosure has 3 separate management areas for inbound cable, fibre splice management and drop cable (customer connection) management.

The inbound cable management area has a dedicated cable entry port which supports both cable end and mid-span applications with loop storage capacity for up to 1.5 m of excess fibre and the entry port is sealed with a cable entry kit (cable diameter 10 mm - 15 mm) to maintain the IP55 rating.



B) HellermannTyton Customer Connection Point (CCPA-M11LP/BK-0)

The Customer Connection Point closure has been designed to be used as an external building entry point. The closure can be wall/facade mounted or put in to a buried chamber (located at the property boundary or just outside the point of access) providing an external building entry point and network test point.

The unit is supplied with 1 x LC-PC Duplex and 1 LC-PC Pigtail and provides splice management for 2 x 3A or 2 x ANT splices.

The closure has 2 separate cable access points which are sealed with a silicon cable entry kit (cable diameter range 4.6 mm - 5.6 mm) to maintain the IP68 rating. A gortex breather membrane is fitted to the lid to prevent condensation forming in the base of the closure.

Internal fibre management features ensure that a 30 mm minimum bend radius is maintained within the closure and provides fibre storage capacity for any excess fibre.



E) HellermannTyton S3 Series MDU/MBU Enclosure

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors. The S3 enclosure is configured with the HellermannTyton 250 µm IR Management System. The management system accommodates 4 SC-B R trays giving a maximum of 48 3A fibre splices and 3 PLC splitters. The position of the fibre management system allows for easy access for the routing of fibre onto the trays.

- Maximum 96 Fibre Splices
- 250 µm IR Angled Fibre Management System with provision for 3 PLC Splitters
- 8 SC-B IR Trays
- 3 x Entry/Exit Port Blanks
- Loop Storage Basket
- Strength Member Anchor
- In-built spirit level
- IP54/IK08 & UV Stable

Fibre slot retaining blocks guide the fibre elements onto the IR system; the foam pad on the retainer is partially cut through to accommodate a range of fibre counts.

All IR system cover plates are coloured blue identifying them as removable parts allowing access to the fibre; the fibre retaining block and tray retaining clips are coloured red to aid in identification if they are dropped. A loop storage basket provides space for the storage of fibre loops.

Designed with 7 input/output ports, 3 across the bottom, 2 on the top and 1 on each side, each port will accommodate a 20 mm cable gland.

A 100 x 25 mm inset position on the front cover allows for a customer logo to be moulded in to the enclosure.



C) HellermannTyton Customer Connection Enclosure (CCE-A11121A1/BK)

The Customer Connection Enclosure (CCE) has been designed to be used as an external building entry point. The closure can be wall mounted providing a fibre termination and external network test point. The CCE has been designed to be the same size as a 'Brick Blow-Out Cover' to cover any unsightly damage caused by drilling.

It is supplied with 1 x LC-APC Duplex adaptor and features fibre management for 4 x 3A splices

The closure has 6 entry/exit ports at the bottom of the closure which are suitable for cables and ducts up to a maximum diameter of 8.5 mm. A loop through facility allows for single fibre elements to be removed and spliced whilst the remaining fibres can be fed onto the next connection point.

A single port in the rear of the closure allows for fibre to be passed through the wall into the customer premises. Mechanical fixing is provided to secure all incoming/outgoing cables/blown fibre ducts and to provide strain relief where necessary.



F) HellermannTyton S5 Series MDU/MBU Enclosure

Designed for deployment within the last mile of the FTTx network. This enclosure can be used within a Point to Point (P2P) or Point to Multi Point (P2MP) with the addition of PLC splitters, connectorised or bare end, pigtails and adaptors. The S5 enclosure is configured with the HellermannTyton 250 µm IR Management System. The management system accommodates 36 SC-B trays giving a maximum of 432 3A fibre splices.

- Maximum 432 Fibre Splices
- 250 µm IR Fibre Management System
- 36 SC-B Trays
- 2 Loop Storage Managers
- 4 x Entry/Exit Port Blanks
- Strength Member Anchor
- In-built spirit level
- IP54/IK08 & UV Stable

The position of the fibre management system allows for easy access for the routing of fibre onto the trays.

The trays and fibre optic routing modules are white which makes it easy to see the colour of the fibre elements as they are routed through the positive fibre management system.

Designed with 8 dual input/output ports, 4 across the bottom, 2 on the top and 2 on each side, each port will accommodate a 20 or 25 mm cable gland.

A 100 x 25 mm inset position on the front cover allows for a customer logo to be moulded into the enclosure.

PART NO.	DESCRIPTION	PRICE
FWOA-AXW21-010/WH	A) HELLERMANN TYTON FIBRE WALL OUTLET FWOA-AXW21-010/WH	14.94
CCPA-M11LP/BK-0	B) HELLERMANN TYTON CUSTOMER CONNECTION POINT CCPA-M11LP/BK-0	13.37
CCE-A11121A1/BK	C) HELLERMANN TYTON CUSTOMER CONNECTION ENCLOSURE CCE-A11121A1/BK	18.41
MDU-S1-01LC08RAI	D) HELLERMANN TYTON S1 SERIES MDU/MBU ENCLOSURE MDU-S1-01LC08RAI	93.24
MDU-S3-BXN	E) HELLERMANN TYTON S3 SERIES MDU/MBU ENCLOSURE MDU-S3-BXN	95.84
MDU-S5-LLXN	F) HELLERMANN TYTON S5-SERIES-MDU-MBU-ENCLOSURE-MDU-S5-LLXN	294.90

TDUX KITS

TDUX is a unique inflatable wraparound duct sealing system for permanently sealing telephone cable ducts in order to prevent the leakage of water from the duct into exchange vaults or manholes.

- Suitable for use with plastic, concrete or steel ducting wall-feedthrough systems.
- Can be used with polyethylene or lead-jacketed cables.
- Duct Inflation Tool required

Features

- Fast and easy to install, even in congested enclosures, requiring only three parts for completion
- Very flexible and reliable wraparound sealing system
- Independent of duct or cable ovality
- Can be installed while water is flowing out of the duct.
- Water and airtight up to 50 kPa
- Environmentally friendly and non-toxic
- Resistant to chemicals and bacteria
- Easy and fast removal



Note

TDUX kit will seal vacant ducts and ducts occupied with 1 or 2 cables. To seal ducts occupied with more than 2 cables, TDUX-CL clips are available as separate items. Call sales for further information.

COMMSCOPE®

		DUCT INSIDE DIAMETER RANGE		CORRESPONDING OUTSIDE DIA RANGE FOR 1/2 CABLES	
PART NO.	PACK QTY	MIN	MAX	IN MIN. DUCT	IN MAX. DUCT
TDUX-45-INT	10	32.5	45	0-14	0-32
TDUX-45-INT	10	45	60	0-18	0-45
TDUX-75-INT	10	55	75	0-28	0-56
TDUX-75-INT	10	60	100	0-22	0-83
TDUX-100-INT	10	45	110	0-45	0-90
TDUX-125-INT	10	110	125	0-83	0-103

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A) TDUX-IT-16 INFLATION TOOL

Inflation Tool for use with TDUX kits. Uses CO2 Gas Cylinders which contain 16g of CO2 and can inflate a minimum of 3 TDUX-100 duct seals in vacant ducts. Features an automatic pressure monitoring system to guarantee the required inflation pressure of 3.0 ± 0.2 Bar. Supplied with carry case. **CO2 Gas Cylinders NOT included.**

B) TDUX GAS CYLINDER (PK10)

CO2 Gas Cylinder containing 16g of CO2.

C) TDUX-IG-SR-AS INFLATION GUN

Inflation gun to be connected to a pressurised air bottle, pump or compressor, having an outlet pressure of 4 to 10 bar to feed the inflating gun. The inflating gun is designed with a safety relief valve and audio signal device to facilitate the installation.



PART NO.	DESCRIPTION	PRICE
S83-2709	A) TDUX INFLATION TOOL	204.70
E7512-0160-10	B) TDUX GAS CYLINDERS (PK10)	1.13
S83-4742	C) TDUX INFLATION GUN	244.88

COMMSCOPE®

A) POLYWATER ZIP SEAL DUCT SEALANT KIT

A Closed-Cell Foam Duct Sealing System for conduit sizes up to 50mm (2 inch). ZipSeal™ Duct Sealant is a practical and efficient way to seal small conduits and communication innerducts. The revolutionary Zip-Disc™ insert traps and keeps the foaming liquid in its open-cell (center) area.

The unique two-part foam installs quickly and effectively. The innovative design of the Zip-Disc™ insert allows for horizontal and vertical installation with minimal drippage. Cured foam blocks can be removed and re-entered relatively quickly if necessary.

ZipSeal™ Duct Sealant holds up to 10 feet (3.0 m) water-head pressure to keep gases and rodents out of conduits.



B) POLYWATER ZIP SEAL DISPENSING TOOL

Polywater TOOL-50-11 Dispensing Tool for use with S83-7601 Polywater Zip Seal Duct Sealant Kit.



PART NO.	DESCRIPTION	PRICE
S83-7601	A) POLYWATER ZIP SEAL DUCT SEALANT KIT	47.00
S83-7628	B) POLYWATER ZIP SEAL DISPENSING TOOL	57.56

0-9		Cablemate		38	External Fibre Locking Mechanism		17	
4 Way Pit Lifter		54	Cabling in Progress		26	Eyebolt Expanding 1A, 2A		19
A			Cabling in Progress Sign		70	F		
A Frame		22	Cabling Labels		63	Fibre Cable Clamps		17
Above Ground Telecoms Enclosure 2/4A		21	Call Point Test Key Set		55	Fibre Cable Clamps/Grips 36 ULW		17
Adaptor Rod 1A, 2A, 3A, 5 7		29	Capping 25		50	Fire Brigade FB Lift or Drop Key		55
Aerial Cable Relief Clamp		17	Capping Steel		18	Fire Brigade Master Key Set		55
Aluminium Strips		13	CBT Back to Back Pole Bracket		24	Flexi End for Cobra Rods		33
Anchoring Clamps		17	Chain Jack Pole		9	Folding Pit Cover Lifting Tool 4 Way		54
Anti-Torsion Swivel Joints		35	Chain Puller 3 Ton		9	FOSC 400 & FOSC 450g External Fibre Optic Splice Closures		64, 65
Attachment Rod 1A		29	Clamp 1A		54	Frame & Cover Carriageways		48
Attachment Rod 2A, 3A, 4A		30	Clamp Guide 2A		29	Frame & Cover Footway No. 2		48
Auger Bit Pole Testing		7	Clamp Guide 2A		40	FTTP Cable Entry, Capping and Covers		50
B			Clamps Aerial Cable 2, 4		16	Fused Swivel 16mm, 22mm		35
Ball End & U-Shackle for Cobra Rods		33	Clamps Dropwire 6, 10A		16	G		
Banding Tool		14	Coach Screw		12	Galvanised Washers 4, 16,17,18, 19		13
Bellmouths		38	Cobra Accessory Kits		31	Gas/Electric Utility Meter Key		55
Belt Pocket		26	Come-Along Clamp		22	Gland Caulking		34
Belt Pole 1B		23	CommScope Fibre Optic Splice Closures		64	Grating Sump 2A		48
Bi-Fold Kneeling Pad		70	Compound 16A		63	Grip Insulator Pole		16
Blanket Cable Protection		58	Compound 21A		62	Grip Pulling Aerial Cable		22
Block Insert 1A, 2A		21	Compound DX5		63	Grip Stay Anchor		16
Block Snatch 2"		40	Connect Bend No. 4		50	Grip Stay Pole		16
Block Snatch No. 1, 2		40	Connector Bend No. 1		18	Grip Wire Suspension		16
Block Terminal 66B		21	Connector Dropwire 2A		23	Grips Cable		37
Blown Fibre External Cli Base & Cover Mini (Grey) 51			Connector Swivel		35	Grips Cable Recovery		37
Blown Fibre External Cli Connector Bend Adaptor 51			Countersunk Pole Fixing Screws		19	Guide Cabling 17A		38
Blown Fibre External Customer Lead in		51	Coupling Rods		30	Guide Cabling No. 1, 2, 17A		38
Bolt Expanding 1A		19	Coupling Up Pieces (Marrying Set)		30	Guide Rod Flexible 3, 4		29
Bolt Expanding 2A		19	Cover 10A		50	H		
Bolt Foundation Indented No. 1, 2		44	Cover Joint Box 23		48	Hellerman Tyton Products		68
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Brush Cylindrical		36	D Tube Eternal Capping		51	Hose Pole		7
Bullet Ends		33	Desiccant Pack 2A		62	Hypoclamp Slippery Fish Aerial Cable Clamps/Grips		17
C			Disc Caulking		34	I		
Cabinet Master Key - 5 in 1 & 9 in 1 Switch		55	Dispenser Dropwire 2B		23	Insulator Stay 2		16
Cable A Frame		22	Dispenser Sash Line		11	Internal/External Customer Lead in Kit Full		50
Cable A Frame Drum Stand Dispenser		41	Dispenser Sash Line		23	Iron Anchor 4		44
Cable Abrasion Protector		16	Drawrope		41	J		
Cable Bearer Wall type		44	Drawrope Dispenser		41	Jack Pole		9
Cable Dead Ends		17	Duct Motor 2B		34	Joint Boxes		48
Cable Drum Cones for Cable A Frame		41	Duct Repair Kit 3A		34	Joint Couplers		32
Cable Duct and Rod Pushing Machine		31	E					
Cable Height Meter Suparule		9	Earthing & Bonding Clamp		14			
Cable Protecting Guards		18	End Fittings		32			

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Key Carriageway 2A D Pit Lifter		53	Pole Steps	12	Split Duct 54D Grey		34
Key Joint Box 4, 5		52	Polehead Ring	12	Spring End Attachment for Cobra Rods		33
Key Lifting Manhole Cover		53	Polemate Kit	25	StakkaBox		47
L			Polywater Zip Seal Duct Sealant Kit	69	Staples Galvanised		19
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Lifter Manhole Cover 4B		56	Propane Regulator	28	Subduct Pulling Eye		28
Line Sash 2, 15		11	Propane Torch and Accessories	57	Subduct Pulling Eye with Clevis (Carrot)		36
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M8 Eyebolt		19	Pull Puck	33	Swivelling Edge Roller No. 1, 2		39
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Maxprobe Inspection Camera		32	R		Techlube		42
Mechanical Joint Closure (MJC)		64	Ratchet Pole Banding Tool	14	Telenco Banding Tool		14
Mobra Arms		45	Reel Hole 6	34	Telenco Mounting Bracket		14
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Moisture Barrier Kit 267A		58	Rigging Head 1A	26	Tenio Fibre Closures		65
N			Rigging Weight 1A	26	Tensioner 2B		23
Nails		13	Ring Polehead Dropwire	12	Tensioner 3A		10
New Site Capping		51	Ring Polehead Stand-Off 1A	12	Tensioner Wire Stay		23
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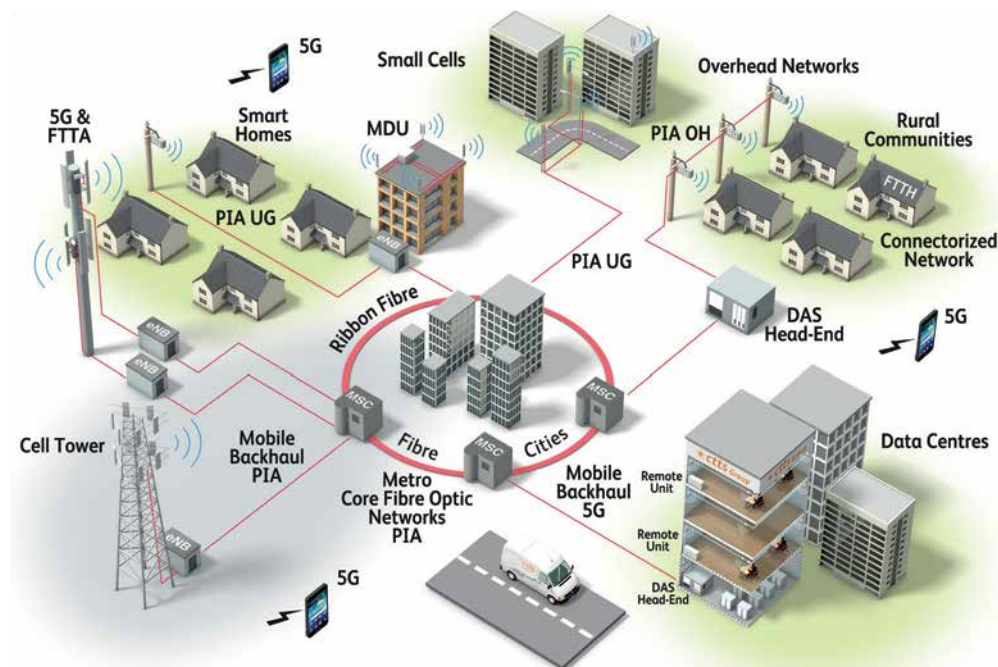
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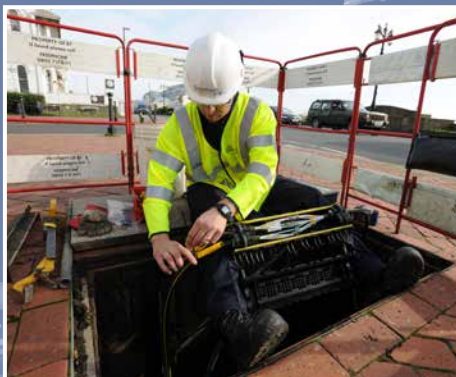
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